Amazon-Web-Services

Exam Questions SAP-C02

AWS Certified Solutions Architect - Professional

NEW QUESTION 1
- (Exam Topic 1)
A company is developing a new serverless API by using Amazon API Gateway and AWS Lambda. The company integrated the Lambda functions with API Gateway to use several shared libraries and custom classes.
A solutions architect needs to simplify the deployment of the solution and optimize for code reuse. Which solution will meet these requirements?

A. Deploy the shared libraries and custom classes into a Docker imag
B. Store the image in an S3 bucket.Create a Lambda layer that uses the Docker image as the sourc
C. Deploy the API's Lambda functions as Zip package
D. Configure the packages to use the Lambda layer.
E. Deploy the shared libraries and custom classes to a Docker imag
F. Upload the image to Amazon Elastic Container Registry (Amazon ECR). Create a Lambda layer that uses the Docker image as the sourc
G. Deploy the API's Lambda functions as Zip package
H. Configure the packages to use the Lambda layer.
I. Deploy the shared libraries and custom classes to a Docker container in Amazon Elastic Container Service (Amazon ECS) by using the AWS Fargate launch typ
J. Deploy the API's Lambda functions as Zip package
K. Configure the packages to use the deployed container as a Lambda layer.
L. Deploy the shared libraries, custom classes, and code for the API's Lambda functions to a Docker imag
M. Upload the image to Amazon Elastic Container Registry (Amazon ECR). Configure the API's Lambda functions to use the Docker image as the deployment package.

Answer: B

Explanation:
Deploying the shared libraries and custom classes to a Docker image and uploading the image to Amazon Elastic Container Registry (Amazon ECR) and creating a Lambda layer that uses the Docker image as the source. Then, deploying the API's Lambda functions as Zip packages and configuring the packages to use the Lambda layer would meet the requirements for simplifying the deployment and optimizing for code reuse.
A Lambda layer is a distribution mechanism for libraries, custom runtimes, and other function dependencies. It allows you to manage your in-development function code separately from your dependencies, this way you can easily update your dependencies without having to update your entire function code.
By deploying the shared libraries and custom classes to a Docker image and uploading the image to Amazon Elastic Container Registry (ECR), it makes it easy to manage and version the dependencies. This way, the company can use the same version of the dependencies across different Lambda functions.
By creating a Lambda layer that uses the Docker image as the source, the company can configure the API's Lambda functions to use the layer, reducing the need to include the dependencies in each function package, and making it easy to update the dependencies across all functions at once.
Reference:
AWS Lambda Layers documentation: https://docs.aws.amazon.com/lambda/latest/dg/configuration-layers.html
AWS Elastic Container Registry (ECR) documentation: https://aws.amazon.com/ecr/ Building Lambda Layers with Docker documentation: https://aws.amazon.com/blogs/compute/building-lambda-layers-with-docker/

NEW QUESTION 2
- (Exam Topic 1)
A company is refactoring its on-premises order-processing platform in the AWS Cloud. The platform includes a web front end that is hosted on a fleet of VMs RabbitMQ to connect the front end to the backend, and a Kubernetes cluster to run a containerized backend system to process the orders. The company does not want to make any major changes to the application
Which solution will meet these requirements with the LEAST operational overhead?

A. Create an AMI of the web server VM Create an Amazon EC2 Auto Scaling group that uses the AMI and an Application Load Balancer Set up Amazon MQ to replace the on-premises messaging queue Configure Amazon Elastic Kubernetes Service (Amazon EKS) to host the order-processing backend
B. Create a custom AWS Lambda runtime to mimic the web server environment Create an Amazon API Gateway API to replace the front-end web servers Set up Amazon MQ to replace the on-premises messaging queue Configure Amazon Elastic Kubernetes Service (Amazon EKS) to host theorder-processing backend
C. Create an AMI of the web server VM Create an Amazon EC2 Auto Scaling group that uses the AMI and an Application Load Balancer Set up Amazon MQ to replace the on-premises messaging queue Install Kubernetes on a fleet of different EC2 instances to host the order-processing backend
D. Create an AMI of the web server VM Create an Amazon EC2 Auto Scaling group that uses the AMI and an Application Load Balancer Set up an Amazon Simple Queue Service (Amazon SQS) queue to replace the on-premises messaging queue Configure Amazon Elastic Kubernetes Service (Amazon EKS) to host the order-processing backend

Answer: A

Explanation:
https://aws.amazon.com/about-aws/whats-new/2020/11/announcing-amazon-mq-rabbitmq/

NEW QUESTION 3
- (Exam Topic 1)
An international delivery company hosts a delivery management system on AWS. Drivers use the system to upload confirmation of delivery. Confirmation includes the recipient's signature or a photo of the package with the recipient. The driver's handheld device uploads signatures and photos through FTP to a single Amazon EC2 instance. Each handheld device saves a file in a directory based on the signed-in user, and the file name matches the delivery number. The EC2 instance then adds metadata to the file after querying a central database to pull delivery information. The file is then placed in Amazon S3 for archiving.
As the company expands, drivers report that the system is rejecting connections. The FTP server is having problems because of dropped connections and memory issues. In response to these problems, a system engineer schedules a cron task to reboot the EC2 instance every 30 minutes. The billing team reports that files are not always in the archive and that the central system is not always updated.
A solutions architect needs to design a solution that maximizes scalability to ensure that the archive always receives the files and that systems are always updated. The handheld devices cannot be modified, so the company cannot deploy a new application.
Which solution will meet these requirements?

A. Create an AMI of the existing EC2 instanc
B. Create an Auto Scaling group of EC2 instances behind an Application Load Balance
C. Configure the Auto Scaling group to have a minimum of three instances.
D. Use AWS Transfer Family to create an FTP server that places the files in Amazon Elastic File System (Amazon EFS). Mount the EFS volume to the existing EC2 instanc
E. Point the EC2 instance to the new path for file processing.

F. Use AWS Transfer Family to create an FTP server that places the files in Amazon S3. Use an S3 event notification through Amazon Simple Notification Service (Amazon SNS) to invoke an AWS Lambda functio
G. Configure the Lambda function to add the metadata and update the delivery system.
H. Update the handheld devices to place the files directly in Amazon S3. Use an S3 event notification through Amazon Simple Queue Service (Amazon SQS) to invoke an AWS Lambda functio
I. Configure the Lambda function to add the metadata and update the delivery system.

Answer: C

Explanation:
Using AWS Transfer Family to create an FTP server that places the files in Amazon S3 and using S3 event notifications through Amazon Simple Notification Service (Amazon SNS) to invoke an AWS Lambda function will ensure that the archive always receives the files and that the central system is always updated. This solution maximizes scalability and eliminates the need for manual intervention, such as rebooting the EC2 instance.

NEW QUESTION 4
- (Exam Topic 1)
A company is hosting a three-tier web application in an on-premises environment. Due to a recent surge in traffic that resulted in downtime and a significant financial impact, company management has ordered that the application be moved to AWS. The application is written in .NET and has a dependency on a MySQL database A solutions architect must design a scalable and highly available solution to meet the demand of 200000 daily users.
Which steps should the solutions architect take to design an appropriate solution?

A. Use AWS Elastic Beanstalk to create a new application with a web server environment and an Amazon RDS MySQL Multi-AZ DB instance The environment should launch a Network Load Balancer (NLB) in front of an Amazon EC2 Auto Scaling group in multiple Availability Zones Use an Amazon Route 53 alias record to route traffic from the company's domain to the NLB.
B. Use AWS CloudFormation to launch a stack containing an Application Load Balancer (ALB) in front of an Amazon EC2 Auto Scaling group spanning three Availability Zone
C. The stack should launch a Multi-AZ deployment of an Amazon Aurora MySQL DB cluster with a Retain deletion polic
D. Use an Amazon Route 53 alias record to route traffic from the company's domain to the ALB
E. Use AWS Elastic Beanstalk to create an automatically scaling web server environment that spans two separate Regions with an Application Load Balancer (ALB) in each Regio
F. Create a Multi-AZ deployment of an Amazon Aurora MySQL DB cluster with a cross-Region read replica Use Amazon Route 53 with a geoproximity routing policy to route traffic between the two Regions.
G. Use AWS CloudFormation to launch a stack containing an Application Load Balancer (ALB) in front of an Amazon ECS cluster of Spot Instances spanning three Availability Zones The stack should launch an Amazon RDS MySQL DB instance with a Snapshot deletion policy Use an Amazon Route 53 alias record to route traffic from the company's domain to the ALB

Answer: C

Explanation:
Using AWS CloudFormation to launch a stack with an Application Load Balancer (ALB) in front of an Amazon EC2 Auto Scaling group spanning three Availability Zones, a Multi-AZ deployment of an Amazon Aurora MySQL DB cluster with a Retain deletion policy, and an Amazon Route 53 alias record to route traffic from the company’s domain to the ALB will ensure that

NEW QUESTION 5
- (Exam Topic 1)
A software company hosts an application on AWS with resources in multiple AWS accounts and Regions. The application runs on a group of Amazon EC2 instances in an application VPC located in the us-east-1 Region with an IPv4 CIDR block of 10.10.0.0/16. In a different AWS account, a shared services VPC is located in the us-east-2 Region with an IPv4 CIDR block of 10.10.10.0/24. When a cloud engineer uses AWS CloudFormation to attempt to peer the application VPC with the shared services VPC, an error message indicates a peering failure. Which factors could cause this error? (Choose two.)

A. The IPv4 CIDR ranges of the two VPCs overlap
B. The VPCs are not in the same Region
C. One or both accounts do not have access to an Internet gateway
D. One of the VPCs was not shared through AWS Resource Access Manager
E. The IAM role in the peer accepter account does not have the correct permissions

Answer: AE

Explanation:
https://aws.amazon.com/about-aws/whats-new/2017/11/announcing-support-for-inter-region-vpc-peering/

NEW QUESTION 6
- (Exam Topic 1)
A company manages multiple AWS accounts by using AWS Organizations. Under the root OU. the company has two OUs: Research and DataOps.
Because of regulatory requirements, all resources that the company deploys in the organization must reside in the ap-northeast-1 Region. Additionally. EC2 instances that the company deploys in the DataOps OU must use a predefined list of instance types
A solutions architect must implement a solution that applies these restrictions. The solution must maximize operational efficiency and must minimize ongoing maintenance
Which combination of steps will meet these requirements? (Select TWO)

A. Create an IAM role in one account under the DataOps OU Use the ec2 Instance Type condition key in an inline policy on the role to restrict access to specific instance types.
B. Create an IAM user in all accounts under the root OU Use the aws RequestedRegion condition key in an inline policy on each user to restrict access to all AWS Regions except ap-northeast-1.
C. Create an SCP Use the aws:RequestedRegion condition key to restrict access to all AWS Regions except ap-northeast-1 Apply the SCP to the root OU.
D. Create an SCP Use the ec2Reo»on condition key to restrict access to all AWS Regions except ap-northeast-1. Apply the SCP to the root O
E. the DataOps O
F. and the Research OU.
G. Create an SCP Use the ec2:InstanceType condition key to restrict access to specific instance types Apply the SCP to the DataOps OU.

Answer: CE

Explanation:
https://docs.aws.amazon.com/IAM/latest/UserGuide/reference_policies_examples_aws_deny-requested-region.h
https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_policies_scps_examples_ec2.html

NEW QUESTION 7
- (Exam Topic 1)
A company has an organization in AWS Organizations that has a large number of AWS accounts. One of the AWS accounts is designated as a transit account and has a transit gateway that is shared with all of the other AWS accounts AWS Site-to-Site VPN connections are configured between ail of the company's global offices and the transit account The company has AWS Config enabled on all of its accounts.
The company's networking team needs to centrally manage a list of internal IP address ranges that belong to the global offices Developers Will reference this list to gain access to applications securely.
Which solution meets these requirements with the LEAST amount of operational overhead?

A. Create a JSON file that is hosted in Amazon S3 and that lists all of the internal IP address ranges Configure an Amazon Simple Notification Service (Amazon SNS) topic in each of the accounts that can be involved when the JSON file is update
B. Subscribe an AWS Lambda function to the SNS topic to update all relevant security group rules with Vie updated IP address ranges.
C. Create a new AWS Config managed rule that contains all of the internal IP address ranges Use the rule to check the security groups in each of the accounts to ensure compliance with the list of IP address range
D. Configure the rule to automatically remediate any noncompliant security group that is detected.
E. In the transit account, create a VPC prefix list with all of the internal IP address range
F. Use AWS Resource Access Manager to share the prefix list with all of the other account
G. Use the shared prefix list to configure security group rules is the other accounts.
H. In the transit account create a security group with all of the internal IP address range
I. Configure the security groups in me other accounts to reference the transit account's securitygroup by using a nested security group reference of *<transit-account-id>./sg-1a2b3c4d".

Answer: C

Explanation:
Customer-managed prefix lists — Sets of IP address ranges that you define and manage. You can share your prefix list with other AWS accounts, enabling those accounts to reference the prefix list in their own resources. https://docs.aws.amazon.com/vpc/latest/userguide/managed-prefix-lists.html
a VPC prefix list is created in the transit account with all of the internal IP address ranges, and then shared to all of the other accounts using AWS Resource Access Manager. This allows for central management of the IP address ranges, and eliminates the need for manual updates to security group rules in each account. This solution also allows for compliance checks to be run using AWS Config and for any non-compliant security groups to be automatically remediated.

NEW QUESTION 8
- (Exam Topic 1)
A company has created an OU in AWS Organizations for each of its engineering teams Each OU owns multiple AWS accounts. The organization has hundreds of AWS accounts A solutions architect must design a solution so that each OU can view a breakdown of usage costs across its AWS accounts. Which solution meets these requirements?

A. Create an AWS Cost and Usage Report (CUR) for each OU by using AWS Resource Access Manager Allow each team to visualize the CUR through an Amazon QuickSight dashboard.
B. Create an AWS Cost and Usage Report (CUR) from the AWS Organizations management account- Allow each team to visualize the CUR through an Amazon QuickSight dashboard
C. Create an AWS Cost and Usage Report (CUR) in each AWS Organizations member account Allow each team to visualize the CUR through an Amazon QuickSight dashboard.
D. Create an AWS Cost and Usage Report (CUR) by using AWS Systems Manager Allow each team to visualize the CUR through Systems Manager OpsCenter dashboards

Answer: B

Explanation:
https://docs.aws.amazon.com/cur/latest/userguide/billing-cur-limits.html

NEW QUESTION 9
- (Exam Topic 1)
A security engineer determined that an existing application retrieves credentials to an Amazon RDS for MySQL database from an encrypted file in Amazon S3. For the next version of the application, the security engineer wants to implement the following application design changes to improve security:

- The database must use strong, randomly generated passwords stored in a secure AWS managed service.
- The application resources must be deployed through AWS CloudFormation.
- The application must rotate credentials for the database every 90 days.

A solutions architect will generate a CloudFormation template to deploy the application.
Which resources specified in the CloudFormation template will meet the security engineer's requirements with the LEAST amount of operational overhead?

A. Generate the database password as a secret resource using AWS Secrets Manage
B. Create an AWS Lambda function resource to rotate the database passwor
C. Specify a Secrets Manager RotationSchedule resource to rotate the database password every 90 days.
D. Generate the database password as a SecureString parameter type using AWS Systems Manager Parameter Stor
E. Create an AWS Lambda function resource to rotate the database passwor
F. Specify a Parameter Store RotationSchedule resource to rotate the database password every 90 days.
G. Generate the database password as a secret resource using AWS Secrets Manage
H. Create an AWS Lambda function resource to rotate the database passwor
I. Create an Amazon EventBridge scheduled rule resource to trigger the Lambda function password rotation every 90 days.
J. Generate the database password as a SecureString parameter type using AWS Systems Manager Parameter Stor
K. Specify an AWS AppSync DataSource resource to automatically rotate the database password every 90 days.

Answer: B

Explanation:
https://aws.amazon.com/blogs/security/how-to-securely-provide-database-credentials-to-lambda-functions-by-us
https://docs.aws.amazon.com/secretsmanager/latest/userguide/rotating-secrets.html
https://docs.aws.amazon.com/secretsmanager/latest/userguide/integrating_cloudformation.html

NEW QUESTION 10
- (Exam Topic 1)
A company gives users the ability to upload images from a custom application. The upload process invokes an AWS Lambda function that processes and stores the image in an Amazon S3 bucket. The application invokes the Lambda function by using a specific function version ARN.
The Lambda function accepts image processing parameters by using environment variables. The company often adjusts the environment variables of the Lambda function to achieve optimal image processing output. The company tests different parameters and publishes a new function version with the updated environment variables after validating results. This update process also requires frequent changes to the custom application to invoke the new function version ARN. These changes cause interruptions for users.
A solutions architect needs to simplify this process to minimize disruption to users. Which solution will meet these requirements with the LEAST operational overhead?

A. Directly modify the environment variables of the published Lambda function versio
B. Use theSLATEST version to test image processing parameters.
C. Create an Amazon DynamoDB table to store the image processing parameter
D. Modify the Lambda function to retrieve the image processing parameters from the DynamoDB table.
E. Directly code the image processing parameters within the Lambda function and remove the environment variable
F. Publish a new function version when the company updates the parameters.
G. Create a Lambda function alia
H. Modify the client application to use the function alias AR
I. Reconfigure the Lambda alias to point to new versions of the function when the company finishes testing.

Answer: D

Explanation:
A Lambda function alias allows you to point to a specific version of a function and also can be updated to point to a new version of the function without modifying the client application. This way, the company can test different versions of the function with different environment variables and, once the optimal parameters are found, update the alias to point to the new version, without the need to update the client application.
By using this approach, the company can simplify the process of updating the environment variables, minimize disruption to users, and reduce the operational overhead.
Reference:
AWS Lambda documentation: https://aws.amazon.com/lambda/
AWS Lambda Aliases documentation: https://docs.aws.amazon.com/lambda/latest/dg/aliases-intro.html AWS Lambda versioning and aliases documentation: https://aws.amazon.com/blogs/compute/versioning-aliases-in-aws-lambda/

NEW QUESTION 10
- (Exam Topic 1)
An AWS partner company is building a service in AWS Organizations using Its organization named org. This service requires the partner company to have access to AWS resources in a customer account, which is in a separate organization named org2 The company must establish least privilege security access using an API or command line tool to the customer account
What is the MOST secure way to allow org1 to access resources h org2?

A. The customer should provide the partner company with their AWS account access keys to log in and perform the required tasks
B. The customer should create an IAM user and assign the required permissions to the IAM user The customer should then provide the credentials to the partner company to log In and perform the required tasks.
C. The customer should create an IAM role and assign the required permissions to the IAM rol
D. The partner company should then use the IAM role's Amazon Resource Name (ARN) when requesting access to perform the required tasks
E. The customer should create an IAM rote and assign the required permissions to the IAM rot
F. The partner company should then use the IAM rote's Amazon Resource Name (ARN). Including the external ID in the IAM role's trust pokey, when requesting access to perform the required tasks

Answer: C

Explanation:
https://docs.aws.amazon.com/IAM/latest/UserGuide/confused-deputy.html
This is the most secure way to allow org1 to access resources in org2 because it allows for least privilege security access. The customer should create an IAM role and assign the required permissions to the IAM role. The partner company should then use the IAM role’s Amazon Resource Name (ARN) and include the external ID in the IAM role’s trust policy when requesting access to perform the required tasks. This ensures that the partner company can only access the resources that it needs and only from the specific customer account.

NEW QUESTION 11
- (Exam Topic 1)
A finance company is running its business-critical application on current-generation Linux EC2 instances The application includes a self-managed MySQL database performing heavy I/O operations. The application is working fine to handle a moderate amount of traffic during the month. However, it slows down during the final three days of each month due to month-end reporting, even though the company is using Elastic Load Balancers and Auto Scaling within its infrastructure to meet the increased demand.
Which of the following actions would allow the database to handle the month-end load with the LEAST impact on performance?

A. Pre-warming Elastic Load Balancers, using a bigger instance type, changing all Amazon EBS volumes to GP2 volumes.
B. Performing a one-time migration of the database cluster to Amazon RD
C. and creating several additional read replicas to handle the load during end of month
D. Using Amazon CioudWatch with AWS Lambda to change the typ
E. size, or IOPS of Amazon EBS volumes in the cluster based on a specific CloudWatch metric
F. Replacing all existing Amazon EBS volumes with new PIOPS volumes that have the maximum available storage size and I/O per second by taking snapshots

before the end of the month and reverting back afterwards.

Answer: B

Explanation:
In this scenario, the Amazon EC2 instances are in an Auto Scaling group already which means that the database read operations is the possible bottleneck especially during the month-end wherein the reports are generated. This can be solved by creating RDS read replicas.

NEW QUESTION 15
- (Exam Topic 1)
A company runs a Java application that has complex dependencies on VMs that are in the company's data center. The application is stable. but the company wants to modernize the technology stack. The company wants to migrate the application to AWS and minimize the administrative overhead to maintain the servers.
Which solution will meet these requirements with the LEAST code changes?

A. Migrate the application to Amazon Elastic Container Service (Amazon ECS) on AWS Fargate by using AWS App2Containe
B. Store container images in Amazon Elastic Container Registry (Amazon ECR). Grant the ECS task execution role permission 10 access the ECR image repositor
C. Configure Amazon ECS to use an Application Load Balancer (ALB). Use the ALB to interact with the application.
D. Migrate the application code to a container that runs in AWS Lambd
E. Build an Amazon API Gateway REST API with Lambda integratio
F. Use API Gateway to interact with the application.
G. Migrate the application to Amazon Elastic Kubernetes Service (Amazon EKS) on EKS managed node groups by using AWS App2Containe
H. Store container images in Amazon Elastic Container Registry (Amazon ECR). Give the EKS nodes permission to access the ECR image repositor
I. Use Amazon API Gateway to interact with the application.
J. Migrate the application code to a container that runs in AWS Lambd
K. Configure Lambda to use an Application Load Balancer (ALB). Use the ALB to interact with the application.

Answer: A

Explanation:
According to the AWS documentation1, AWS App2Container (A2C) is a command line tool for migrating and modernizing Java and .NET web applications into container format. AWS A2C analyzes and builds an inventory of applications running in bare metal, virtual machines, Amazon Elastic Compute Cloud (EC2) instances, or in the cloud. You can use AWS A2C to generate container images for your applications and deploy them on Amazon ECS or Amazon EKS.
Option A meets the requirements of the scenario because it allows you to migrate your existing Java application to AWS and minimize the administrative overhead to maintain the servers. You can use AWS A2C to analyze your application dependencies, extract application artifacts, and generate a Dockerfile. You can then store your container images in Amazon ECR, which is a fully managed container registry service. You can use AWS Fargate as the launch type for your Amazon ECS cluster, which is a serverless compute engine that eliminates the need to provision and manage servers for your containers. You can grant the ECS task execution role permission to access the ECR image repository, which allows your tasks to pull images from ECR. You can configure Amazon ECS to use an ALB, which is a load balancer that distributes traffic across multiple targets in multiple Availability Zones using HTTP or HTTPS protocols. You can use the ALB to interact with your application.

NEW QUESTION 20
- (Exam Topic 1)
A company has applications in an AWS account that is named Source. The account is in an organization in AWS Organizations. One of the applications uses AWS Lambda functions and store’s inventory data in an Amazon Aurora database. The application deploys the Lambda functions by using a deployment package. The company has configured automated backups for Aurora.
The company wants to migrate the Lambda functions and the Aurora database to a new AWS account that is named Target. The application processes critical data, so the company must minimize downtime.
Which solution will meet these requirements?

A. Download the Lambda function deployment package from the Source accoun
B. Use the deployment package and create new Lambda functions in the Target accoun
C. Share the automated Aurora DB cluster snapshot with the Target account.
D. Download the Lambda function deployment package from the Source accoun
E. Use the deployment package and create new Lambda functions in the Target account Share the Aurora DB cluster with the Target account by using AWS Resource Access Manager {AWS RAM). Grant the Target account permission to clone the Aurora DB cluster.
F. Use AWS Resource Access Manager (AWS RAM) to share the Lambda functions and the Aurora DB cluster with the Target accoun
G. Grant the Target account permission to clone the Aurora DB cluster.
H. Use AWS Resource Access Manager (AWS RAM) to share the Lambda functions with the Target accoun
I. Share the automated Aurora DB cluster snapshot with the Target account.

Answer: C

Explanation:
This solution uses a combination of AWS Resource Access Manager (RAM) and automated backups to migrate the Lambda functions and the Aurora database to the Target account while minimizing downtime. In this solution, the Lambda function deployment package is downloaded from the Source account and used to create new Lambda functions in the Target account. The Aurora DB cluster is shared with the Target account using AWS RAM and the Target account is granted permission to clone the Aurora DB cluster, allowing for a new copy of the Aurora database to be created in the Target account. This approach allows for the data to be migrated to the Target account while minimizing downtime, as the Target account can use the cloned Aurora database while the original Aurora database continues to be used in the Source account.

NEW QUESTION 21
- (Exam Topic 1)
A company is using Amazon OpenSearch Service to analyze data. The company loads data into an OpenSearch Service cluster with 10 data nodes from an Amazon S3 bucket that uses S3 Standard storage. The data resides in the cluster for 1 month for read-only analysis. After 1 month, the company deletes the index that contains the data from the cluster. For compliance purposes, the company must retain a copy of all input data.
The company is concerned about ongoing costs and asks a solutions architect to recommend a new solution. Which solution will meet these requirements MOST cost-effectively?

A. Replace all the data nodes with UltraWarm nodes to handle the expected capacit

B. Transition the input data from S3 Standard to S3 Glacier Deep Archive when the company loads the data into the cluster.
C. Reduce the number of data nodes in the cluster to 2 Add UltraWarm nodes to handle the expected capacit
D. Configure the indexes to transition to UltraWarm when OpenSearch Service ingests the dat
E. Transition the input data to S3 Glacier Deep Archive after 1 month by using an S3 Lifecycle policy.
F. Reduce the number of data nodes in the cluster to 2. Add UltraWarm nodes to handle the expected capacit
G. Configure the indexes to transition to UltraWarm when OpenSearch Service ingests the dat
H. Add cold storage nodes to the cluster Transition the indexes from UltraWarm to cold storag
I. Delete the input data from the S3 bucket after 1 month by using an S3 Lifecycle policy.
J. Reduce the number of data nodes in the cluster to 2. Add instance-backed data nodes to handle the expected capacit
K. Transition the input data from S3 Standard to S3 Glacier Deep Archive when the company loads the data into the cluster.

Answer: B

Explanation:
By reducing the number of data nodes in the cluster to 2 and adding UltraWarm nodes to handle the expected capacity, the company can reduce the cost of running the cluster. Additionally, configuring the indexes to transition to UltraWarm when OpenSearch Service ingests the data will ensure that the data is stored in the most cost-effective manner. Finally, transitioning the input data to S3 Glacier Deep Archive after 1 month by using an S3 Lifecycle policy will ensure that the data is retained for compliance purposes, while also reducing the ongoing costs.

NEW QUESTION 24
- (Exam Topic 1)
A retail company has an on-premises data center in Europe. The company also has a multi-Region AWS presence that includes the eu-west-1 and us-east-1 Regions. The company wants to be able to route network traffic from its on-premises infrastructure into VPCs in either of those Regions. The company also needs to support traffic that is routed directly between VPCs in those Regions. No single points of failure can exist on the network.
The company already has created two 1 Gbps AWS Direct Connect connections from its on-premises data center. Each connection goes into a separate Direct Connect location in Europe for high availability. These two locations are named DX-A and DX-B, respectively. Each Region has a single AWS Transit Gateway that is configured to route all inter-VPC traffic within that Region.
Which solution will meet these requirements?

A. Create a private VIF from the DX-A connection into a Direct Connect gatewa
B. Create a private VIF from the DX-B connection into the same Direct Connect gateway for high availabilit
C. Associate both the eu-west-1 and us-east-1 transit gateways with the Direct Connect gatewa
D. Peer the transit gatewayswith each other to support cross-Region routing.
E. Create a transit VIF from the DX-A connection into a Direct Connect gatewa
F. Associate the eu-west-1 transit gateway with this Direct Connect gatewa
G. Create a transit VIF from the DX-B connection into a separate Direct Connect gatewa
H. Associate the us-east-1 transit gateway with this separate Direct Connect gatewa
I. Peer the Direct Connect gateways with each other to support high availability and cross-Region routing.
J. Create a transit VIF from the DX-A connection into a Direct Connect gatewa
K. Create a transit VIF from the DX-B connection into the same Direct Connect gateway for high availabilit
L. Associate both the eu-west-1 and us-east-1 transit gateways with this Direct Connect gatewa
M. Configure the Direct Connect gateway to route traffic between the transit gateways.
N. Create a transit VIF from the DX-A connection into a Direct Connect gatewa
O. Create a transit VIF from the DX-B connection into the same Direct Connect gateway for high availabilit
P. Associate both the eu-west-1 and us-east-1 transit gateways with this Direct Connect gatewa
Q. Peer the transit gateways with each other to support cross-Region routing.

Answer: D

Explanation:
in this solution, two transit VIFs are created - one from the DX-A connection and one from the DX-B connection - into the same Direct Connect gateway for high availability. Both the eu-west-1 and us-east-1 transit gateways are then associated with this Direct Connect gateway. The transit gateways are then peered with each other to support cross-Region routing. This solution meets the requirements of the company by creating a highly available connection between the on-premises data center and the VPCs in both the eu-west-1 and us-east-1 regions, and by enabling direct traffic routing between VPCs in those regions.

NEW QUESTION 29
- (Exam Topic 1)
A company has a web application that allows users to upload short videos. The videos are stored on Amazon EBS volumes and analyzed by custom recognition software for categorization.
The website contains stat c content that has variable traffic with peaks in certain months. The architecture consists of Amazon EC2 instances running in an Auto Scaling group for the web application and EC2
instances running in an Auto Scaling group to process an Amazon SQS queue The company wants to
re-architect the application to reduce operational overhead using AWS managed services where possible and remove dependencies on third-party software.
Which solution meets these requirements?

A. Use Amazon ECS containers for the web application and Spot Instances for the Auto Scaling group that processes the SQS queu
B. Replace the custom software with Amazon Recognition to categorize the videos.
C. Store the uploaded videos n Amazon EFS and mount the file system to the EC2 instances for Te web applicatio
D. Process the SOS queue with an AWS Lambda function that calls the Amazon Rekognition API to categorize the videos.
E. Host the web application in Amazon S3. Store the uploaded videos in Amazon S3. Use S3 event notifications to publish events to the SQS queue Process the SQS queue with an AWS Lambda function that calls the Amazon Rekognition API to categorize the videos.
F. Use AWS Elastic Beanstalk to launch EC2 instances in an Auto Scaling group for the web application and launch a worker environment to process the SQS queue Replace the custom software with Amazon Rekognition to categorize the videos.

Answer: C

Explanation:
➢ Option C is correct because hosting the web application in Amazon S3, storing the uploaded videos in Amazon S3, and using S3 event notifications to publish events to the SQS queue reduces the operational overhead of managing EC2 instances and EBS volumes. Amazon S3 can serve static content such as HTML, CSS, JavaScript, and media files directly from S3 buckets. Amazon S3 can also trigger AWS Lambda functions through S3 event notifications when new objects

are created or existing objects are updated or deleted. AWS Lambda can process the SQS queue with an AWS Lambda function that calls the Amazon Rekognition API to categorize the videos. This solution eliminates the need for custom recognition software and third-party dependencies345
References: 1: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-spot-instances.html 2:
https://aws.amazon.com/efs/pricing/ 3:
https://docs.aws.amazon.com/AmazonS3/latest/userguide/WebsiteHosting.html 4:
https://docs.aws.amazon.com/AmazonS3/latest/userguide/NotificationHowTo.html 5:
https://docs.aws.amazon.com/rekognition/latest/dg/what-is.html 6: https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/Welcome.html

NEW QUESTION 31
- (Exam Topic 1)
A company has registered 10 new domain names. The company uses the domains for online marketing. The company needs a solution that will redirect online visitors to a specific URL for each domain. All domains and target URLs are defined in a JSON document. All DNS records are managed by Amazon Route 53.
A solutions architect must implement a redirect service that accepts HTTP and HTTPS requests.
Which combination of steps should the solutions architect take to meet these requirements with the LEAST amount of operational effort? (Choose three.)

A. Create a dynamic webpage that runs on an Amazon EC2 instanc
B. Configure the webpage to use the JSON document in combination with the event message to look up and respond with a redirect URL.
C. Create an Application Load Balancer that includes HTTP and HTTPS listeners.
D. Create an AWS Lambda function that uses the JSON document in combination with the event message to look up and respond with a redirect URL.
E. Use an Amazon API Gateway API with a custom domain to publish an AWS Lambda function.
F. Create an Amazon CloudFront distributio
G. Deploy a Lambda@Edge function.
H. Create an SSL certificate by using AWS Certificate Manager (ACM). Include the domains as Subject Alternative Names.

Answer: CEF

Explanation:
https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/lambda-edge-how-it-works-tutorial.ht

NEW QUESTION 36
- (Exam Topic 1)
The company needs to determine which costs on the monthly AWS bill are attributable to each application or team. The company also must be able to create reports to compare costs from the last 12 months and to help forecast costs for the next 12 months. A solutions architect must recommend an AWS Billing and Cost Management solution that provides these cost reports.
Which combination of actions will meet these requirements? (Select THREE.)

A. Activate the user-defined cost allocation tags that represent the application and the team.
B. Activate the AWS generated cost allocation tags that represent the application and the team.
C. Create a cost category for each application in Billing and Cost Management.
D. Activate IAM access to Billing and Cost Management.
E. Create a cost budget.
F. Enable Cost Explorer.

Answer: ACF

Explanation:
https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/manage-cost-categories.html https://aws.amazon.com/premiumsupport/knowledge-center/cost-explorer-analyze-spending-and-usage/ https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/manage-cost-categories.html
https://docs.aws.amazon.com/cost-management/latest/userguide/ce-enable.html
The best combination of actions to meet the company’s requirements is Options A, C, and F.
Option A involves activating the user-defined cost allocation tags that represent the application and the team. This will allow the company to assign costs to different applications or teams, and will allow them to be tracked in the monthly AWS bill.
Option C involves creating a cost category for each application in Billing and Cost Management. This will allow the company to easily identify and compare costs across different applications and teams.
Option F involves enabling Cost Explorer. This will allow the company to view the costs of their AWS resources over the last 12 months and to create forecasts for the next 12 months.
These recommendations are in line with the official Amazon Textbook and Resources for the AWS Certified Solutions Architect - Professional certification. In particular, the book states that “You can use cost allocation tags to group your costs by application, team, or other categories” (Source:
https://d1.awsstatic.com/training-and-certification/docs-sa-pro/AWS_Certified_Solutions_Architect_Professiona Additionally, the book states that “Cost Explorer enables you to view the costs of your AWS resources over the last 12 months and to create forecasts for the next 12 months” (Source:
https://d1.awsstatic.com/training-and-certification/docs-sa-pro/AWS_Certified_Solutions_Architect_Professiona

NEW QUESTION 37
- (Exam Topic 1)
A company runs a serverless application in a single AWS Region. The application accesses external URLs and extracts metadata from those sites. The company uses an Amazon Simple Notification Service (Amazon SNS) topic to publish URLs to an Amazon Simple Queue Service (Amazon SQS) queue An AWS Lambda function uses the queue as an event source and processes the URLs from the queue Results are saved to an Amazon S3 bucket
The company wants to process each URL other Regions to compare possible differences in site localization URLs must be published from the existing Region. Results must be written to the existing S3 bucket in the current Region.
Which combination of changes will produce multi-Region deployment that meets these requirements? (Select TWO.)

A. Deploy the SOS queue with the Lambda function to other Regions.
B. Subscribe the SNS topic in each Region to the SQS queue.
C. Subscribe the SQS queue in each Region to the SNS topics in each Region.
D. Configure the SQS queue to publish URLs to SNS topics in each Region.
E. Deploy the SNS topic and the Lambda function to other Regions.

Answer: AC

Explanation:

https://docs.aws.amazon.com/sns/latest/dg/sns-cross-region-delivery.html

NEW QUESTION 38
- (Exam Topic 1)
A solutions architect must analyze a company's Amazon EC2 Instances and Amazon Elastic Block Store (Amazon EBS) volumes to determine whether the company is using resources efficiently The company is running several large, high-memory EC2 instances lo host database dusters that are deployed in active/passive configurations The utilization of these EC2 instances varies by the applications that use the databases, and the company has not identified a pattern The solutions architect must analyze the environment and take action based on the findings. Which solution meets these requirements MOST cost-effectively?

A. Create a dashboard by using AWS Systems Manager OpsConter Configure visualizations tor Amazon CloudWatch metrics that are associated with the EC2 instances and their EBS volumes Review thedashboard periodically and identify usage patterns Right size the EC2 instances based on the peaks in the metrics
B. Turn on Amazon CloudWatch detailed monitoring for the EC2 instances and their EBS volumes Create and review a dashboard that is based on the metrics Identify usage patterns Right size the FC? instances based on the peaks In the metrics
C. Install the Amazon CloudWatch agent on each of the EC2 Instances Turn on AWS Compute Optimizer, and let it run for at least 12 hours Review the recommendations from Compute Optimizer, and right size the EC2 instances as directed
D. Sign up for the AWS Enterprise Support plan Turn on AWS Trusted Advisor Wait 12 hours Review the recommendations from Trusted Advisor, and rightsize the EC2 instances as directed

Answer: C

Explanation:
(https://aws.amazon.com/compute-optimizer/pricing/ , https://aws.amazon.com/systems-manager/pricing/). https://aws.amazon.com/compute-optimizer/

NEW QUESTION 40
- (Exam Topic 1)
An adventure company has launched a new feature on its mobile app. Users can use the feature to upload their hiking and ratting photos and videos anytime. The photos and videos are stored in Amazon S3 Standard storage in an S3 bucket and are served through Amazon CloudFront.
The company needs to optimize the cost of the storage. A solutions architect discovers that most of the uploaded photos and videos are accessed infrequently after 30 days. However, some of the uploaded photos and videos are accessed frequently after 30 days. The solutions architect needs to implement a solution that maintains millisecond retrieval availability of the photos and videos at the lowest possible cost.
Which solution will meet these requirements?

A. Configure S3 Intelligent-Tiering on the S3 bucket.
B. Configure an S3 Lifecycle policy to transition image objects and video objects from S3 Standard to S3 Glacier Deep Archive after 30 days.
C. Replace Amazon S3 with an Amazon Elastic File System (Amazon EFS) file system that is mounted on Amazon EC2 instances.
D. Add a Cache-Control: max-age header to the S3 image objects and S3 video object
E. Set the header to 30 days.

Answer: A

Explanation:
Amazon S3 Intelligent-Tiering is a storage class that automatically moves objects between two access tiers based on changing access patterns. Objects that are accessed frequently are stored in the frequent access tier and objects that are accessed infrequently are stored in the infrequent access tier. This allows for cost optimization without requiring manual intervention. This makes it an ideal solution for the scenario described, as it can automatically move objects that are infrequently accessed after 30 days to a lower-cost storage tier while still maintaining millisecond retrieval availability.

NEW QUESTION 41
- (Exam Topic 1)
A company has an on-premises website application that provides real estate information for potential renters and buyers. The website uses a Java backend and a NOSQL MongoDB database to store subscriber data.
The company needs to migrate the entire application to AWS with a similar structure. The application must be deployed for high availability, and the company cannot make changes to the application
Which solution will meet these requirements?

A. use an Amazon Aurora DB cluster as the database for the subscriber dat
B. Deploy Amazon EC2instances in an Auto Scaling group across multiple Availability Zones for the Java backend application.
C. Use MongoDB on Amazon EC2 instances as the database for the subscriber dat
D. Deploy EC2 instances in an Auto Scaling group in a single Availability Zone for the Java backend application.
E. Configure Amazon DocumentD3 (with MongoDB compatibility) with appropriately sized instances in multiple Availability Zones as the database for the subscriber dat
F. Deploy Amazon EC2 instances in an Auto Scaling group across multiple Availability Zones for the Java backend application.
G. Configure Amazon DocumentDB (with MongoDB compatibility) in on-demand capacity mode in multiple Availability Zones as the database for the subscriber dat
H. Deploy Amazon EC2 instances in an Auto Scaling group across multiple Availability Zones for the Java backend application.

Answer: C

Explanation:
On-demand capacity mode is the function of Dynamodb.
https://aws.amazon.com/blogs/news/running-spiky-workloads-and-optimizing-costs-by-more-than-90-using-ama
Amazon DocumentDB Elastic Clusters https://aws.amazon.com/blogs/news/announcing-amazon-documentdb-elastic-clusters/
Deploy Amazon EC2 instances in an Auto Scaling group across multiple Availability Zones for the Java backend application. This will provide high availability and scalability, while allowing the company to retain the same database structure as the original application.

NEW QUESTION 43
- (Exam Topic 1)
A company wants to deploy an AWS WAF solution to manage AWS WAF rules across multiple AWS accounts. The accounts are managed under different OUs in AWS Organizations.
Administrators must be able to add or remove accounts or OUs from managed AWS WAF rule sets as needed Administrators also must have the ability to

automatically update and remediate noncompliant AWS WAF rules in all accounts
Which solution meets these requirements with the LEAST amount of operational overhead?

A. Use AWS Firewall Manager to manage AWS WAF rules across accounts in the organizatio
B. Use an AWS Systems Manager Parameter Store parameter to store account numbers and OUs to manage Update the parameter as needed to add or remove accounts or OUs Use an Amazon EventBridge (Amazon CloudWatch Events) rule to identify any changes to the parameter and to invoke an AWS Lambda function to update the security policy in the Firewall Manager administrative account
C. Deploy an organization-wide AWS Config rule that requires all resources in the selected OUs to associate the AWS WAF rule
D. Deploy automated remediation actions by using AWS Lambda to fix noncompliant resources Deploy AWS WAF rules by using an AWS CloudFormation stack set to target the same OUs where the AWS Config rule is applied.
E. Create AWS WAF rules in the management account of the organization Use AWS Lambda environment variables to store account numbers and OUs to manage Update environment variables as needed to add or remove accounts or OUs Create cross-account IAM roles in member accounts Assume the rotes by using AWS Security Token Service (AWS STS) in the Lambda function to create and update AWS WAF rules in the member accounts.
F. Use AWS Control Tower to manage AWS WAF rules across accounts in the organization Use AWS Key Management Service (AWS KMS) to store account numbers and OUs to manage Update AWS KMS as needed to add or remove accounts or OUs Create IAM users in member accounts Allow AWS Control Tower in the management account to use the access key and secret access key to create and update AWS WAF rules in the member accounts

Answer: A

Explanation:
https://aws.amazon.com/solutions/implementations/automations-for-aws-firewall-manager/
In this solution, AWS Firewall Manager is used to manage AWS WAF rules across accounts in the organization. An AWS Systems Manager Parameter Store parameter is used to store account numbers and OUs to manage. This parameter can be updated as needed to add or remove accounts or OUs. An Amazon EventBridge rule is used to identify any changes to the parameter and to invoke an AWS Lambda function to update the security policy in the Firewall Manager administrative account. This solution allows for easy management of AWS WAF rules across multiple accounts with minimal operational overhead

NEW QUESTION 45
- (Exam Topic 1)
A company runs a proprietary stateless ETL application on an Amazon EC2 Linux instance. The application is a Linux binary, and the source code cannot be modified. The application is single-threaded, uses 2 GB of RAM. and is highly CPU intensive The application is scheduled to run every 4 hours and runs for up to 20 minutes A solutions architect wants to revise the architecture for the solution.
Which strategy should the solutions architect use?

A. Use AWS Lambda to run the applicatio
B. Use Amazon CloudWatch Logs to invoke the Lambda function every 4 hours.
C. Use AWS Batch to run the applicatio
D. Use an AWS Step Functions state machine to invoke the AWS Batch job every 4 hours.
E. Use AWS Fargate to run the applicatio
F. Use Amazon EventBridge (Amazon CloudWatch Events) to invoke the Fargate task every 4 hours.
G. Use Amazon EC2 Spot Instances to run the applicatio
H. Use AWS CodeDeploy to deploy and run the application every 4 hours.

Answer: C

Explanation:
step function could run a scheduled task when triggered by eventbrige, but why would you add that layer of complexity just to run aws batch when you could directly invoke it through eventbridge. The link provided - https://aws.amazon.com/pt/blogs/compute/orchestrating-high-performance-computing-with-aws-step-functions- makes sense only for HPC, this is a single instance that needs to be run

NEW QUESTION 47
- (Exam Topic 1)
A company wants to use AWS to create a business continuity solution in case the company's main on-premises application fails. The application runs on physical servers that also run other applications. The on-premises application that the company is planning to migrate uses a MySQL database as a data store. All the company's on-premises applications use operating systems that are compatible with Amazon EC2.
Which solution will achieve the company's goal with the LEAST operational overhead?

A. Install the AWS Replication Agent on the source servers, including the MySQL server
B. Set up replication for all server
C. Launch test instances for regular drill
D. Cut over to the test instances to fail over the workload in the case of a failure event.
E. Install the AWS Replication Agent on the source servers, including the MySQL server
F. Initialize AWS Elastic Disaster Recovery in the target AWS Regio
G. Define the launch setting
H. Frequently perform failover and fallback from the most recent point in time.
I. Create AWS Database Migration Service (AWS DMS) replication servers and a target Amazon Aurora MySQL DB cluster to host the databas
J. Create a DMS replication task to copy the existing data to the target DB cluste
K. Create a local AWS Schema Conversion Tool (AWS SCT) change data capture (CDC) task to keep the data synchronize
L. Install the rest of the software on EC2 instances by starting with a compatible base AMI.
M. Deploy an AWS Storage Gateway Volume Gateway on premise
N. Mount volumes on all on-premises server
O. Install the application and the MySQL database on the new volume
P. Take regular snapshot
Q. Install all the software on EC2 Instances by starting with a compatible base AM
R. Launch a Volume Gateway on an EC2 instanc
S. Restore the volumes from the latest snapsho
T. Mount the new volumes on the EC2 instances in the case of a failure event.

Answer: B

Explanation:
https://docs.aws.amazon.com/drs/latest/userguide/what-is-drs.html https://docs.aws.amazon.com/drs/latest/userguide/recovery-workflow-gs.html

NEW QUESTION 51
- (Exam Topic 1)
A company recently completed the migration from an on-premises data center to the AWS Cloud by using a replatforming strategy. One of the migrated servers is running a legacy Simple Mail Transfer Protocol (SMTP) service that a critical application relies upon. The application sends outbound email messages to the company's customers. The legacy SMTP server does not support TLS encryption and uses TCP port 25. The application can use SMTP only.
The company decides to use Amazon Simple Email Service (Amazon SES) and to decommission the legacy SMTP server. The company has created and validated the SES domain. The company has lifted the SES limits.
What should the company do to modify the application to send email messages from Amazon SES?

A. Configure the application to connect to Amazon SES by using TLS Wrappe
B. Create an IAM role that has ses:SendEmail and ses:SendRawEmail permission
C. Attach the IAM role to an Amazon EC2 instance.
D. Configure the application to connect to Amazon SES by using STARTTL
E. Obtain Amazon SES SMTP credential
F. Use the credentials to authenticate with Amazon SES.
G. Configure the application to use the SES API to send email message
H. Create an IAM role that has ses:SendEmail and ses:SendRawEmail permission
I. Use the IAM role as a service role for Amazon SES.
J. Configure the application to use AWS SDKs to send email message
K. Create an IAM user for Amazon SE
L. Generate API access key
M. Use the access keys to authenticate with Amazon SES.

Answer: B

Explanation:
To set up a STARTTLS connection, the SMTP client connects to the Amazon SES SMTP endpoint on port 25, 587, or 2587, issues an EHLO command, and waits for the server to announce that it supports the STARTTLS SMTP extension. The client then issues the STARTTLS command, initiating TLS negotiation. When negotiation is complete, the client issues an EHLO command over the new encrypted connection, and the SMTP session proceeds normally To set up a TLS Wrapper connection, the SMTP client connects to the Amazon SES SMTP endpoint on port 465 or 2465. The server presents its certificate, the client issues an EHLO command, and the SMTP session proceeds normally.
https://docs.aws.amazon.com/ses/latest/dg/smtp-connect.html

NEW QUESTION 52
- (Exam Topic 1)
A start up company hosts a fleet of Amazon EC2 instances in private subnets using the latest Amazon Linux 2 AMI. The company's engineers rely heavily on SSH access to the instances for troubleshooting.
The company's existing architecture includes the following:
• A VPC with private and public subnets, and a NAT gateway
• Site-to-Site VPN for connectivity with the on-premises environment
• EC2 security groups with direct SSH access from the on-premises environment
The company needs to increase security controls around SSH access and provide auditing of commands executed by the engineers.
Which strategy should a solutions architect use?

A. Install and configure EC2 Instance Connect on the fleet of EC2 instance
B. Remove all security group rules attached to EC2 instances that allow inbound TCP on port 22. Advise the engineers to remotely access the instances by using the EC2 Instance Connect CLI.
C. Update the EC2 security groups to only allow inbound TCP on port 22 to the IP addresses of the engineer's device
D. Install the Amazon CloudWatch agent on all EC2 instances and send operating system audit logs to CloudWatch Logs.
E. Update the EC2 security groups to only allow inbound TCP on port 22 to the IP addresses of the engineer's device
F. Enable AWS Config for EC2 security group resource change
G. Enable AWS Firewall Manager and apply a security group policy that automatically remediates changes to rules.
H. Create an IAM role with the AmazonSSMManagedInstanceCore managed policy attache
I. Attach the IAM role to all the EC2 instance
J. Remove all security group rules attached to the EC2 instances that allow inbound TCP on port 22. Have the engineers install the AWS Systems Manager Session Manager plugin for their devices and remotely access the instances by using the start-session API call from Systems Manager.

Answer: D

Explanation:
Allows client machines to be able to connect to Session Manager using the AWS CLI instead of going through the AWS EC2 or AWS Server Manager console.
https://docs.aws.amazon.com/systems-manager/latest/userguide/session-manager-working-with-install-plugin.ht https://docs.aws.amazon.com/systems-manager/latest/userguide/session-manager-working-with-install-plugin.ht

NEW QUESTION 57
- (Exam Topic 2)
A company's solutions architect is analyzing costs of a multi-application environment. The environment is deployed across multiple Availability Zones in a single AWS Region. After a recent acquisition, the company manages two organizations in AWS Organizations. The company has created multiple service provider applications as AWS PrivateLink-powered VPC endpoint services in one organization. The company has created multiple service consumer applications in the other organization.
Data transfer charges are much higher than the company expected, and the solutions architect needs to reduce the costs. The solutions architect must recommend guidelines for developers to follow when they deploy services. These guidelines must minimize data transfer charges for the whole environment.
Which guidelines meet these requirements? (Select TWO.)

A. Use AWS Resource Access Manager to share the subnets that host the service provider applications with other accounts in the organization.
B. Place the service provider applications and the service consumer applications in AWS accounts in the same organization.
C. Turn off cross-zone load balancing for the Network Load Balancer in all service provider application deployments.
D. Ensure that service consumer compute resources use the Availability Zone-specific endpoint service by using the endpoint's local DNS name.
E. Create a Savings Plan that provides adequate coverage for the organization's planned inter-Availability Zone data transfer usage.

Answer: CD

Explanation:
Cross-zone load balancing enables traffic to be distributed evenly across all registered instances in all enabled Availability Zones. However, this also increases data transfer charges between Availability Zones. By turning off cross-zone load balancing, the service provider applications can reduce inter-Availability Zone data transfer costs. Similarly, by using the Availability Zone-specific endpoint service, the service consumer applications can ensure that they connect to the nearest service provider application in the same Availability Zone, avoiding cross-Availability Zone data transfer charges. References:

- https://docs.aws.amazon.com/vpc/latest/userguide/vpce-interface.html#vpce-interface-dns

NEW QUESTION 61
- (Exam Topic 2)
A company has five development teams that have each created five AWS accounts to develop and host applications. To track spending, the development teams log in to each account every month, record the current cost from the AWS Billing and Cost Management console, and provide the information to the company's finance team.
The company has strict compliance requirements and needs to ensure that resources are created only in AWS Regions in the United States. However, some resources have been created in other Regions.
A solutions architect needs to implement a solution that gives the finance team the ability to track and consolidate expenditures for all the accounts. The solution also must ensure that the company can create resources only in Regions in the United States.
Which combination of steps will meet these requirements in the MOST operationally efficient way? (Select THREE.)

A. Create a new account to serve as a management accoun
B. Create an Amazon S3 bucket for the finance learn Use AWS Cost and Usage Reports to create monthly reports and to store the data in the finance team's S3 bucket.
C. Create a new account to serve as a management accoun
D. Deploy an organization in AWS Organizations with all features enable
E. Invite all the existing accounts to the organizatio
F. Ensure that each account accepts the invitation.
G. Create an OU that includes all the development team
H. Create an SCP that allows the creation of resources only in Regions that are in the United State
I. Apply the SCP to the OU.
J. Create an OU that includes all the development team
K. Create an SCP that denies (he creation of resources in Regions that are outside the United State
L. Apply the SCP to the OU.
M. Create an 1AM role in the management account Attach a policy that includes permissions to view the Billing and Cost Management consol
N. Allow the finance learn users to assume the rol
O. Use AWS Cost Explorer and the Billing and Cost Management console to analyze cost.
P. Create an 1AM role in each AWS accoun
Q. Attach a policy that includes permissions to view the Billing and Cost Management consol
R. Allow the finance team users to assume the role.

Answer: BCE

Explanation:
AWS Organizations is a service that enables you to consolidate multiple AWS accounts into an organization that you create and centrally manage. By creating a management account and inviting all the existing accounts to join the organization, the solutions architect can track and consolidate expenditures for all the accounts using AWS Cost Management tools such as AWS Cost Explorer and AWS Budgets. An organizational unit (OU) is a group of accounts within an organization that can be used to apply policies and simplify management. A service control policy (SCP) is a type of policy that you can use to manage permissions in your organization. By creating an OU that includes all the development teams and applying an SCP that allows the creation of resources only in Regions that are in the United States, the solutions architect can ensure that the company meets its compliance requirements and avoids unwanted charges from other Regions. An IAM role is an identity with permission policies that determine what the identity can and cannot do in AWS. By creating an IAM role in the management account and allowing the finance team users to assume it, the solutions architect can give them access to view the Billing and Cost Management console without sharing credentials or creating additional users. References:

- https://docs.aws.amazon.com/organizations/latest/userguide/orgs_introduction.html
- https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_policies_scp.html
- https://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles.html
- https://docs.aws.amazon.com/aws-cost-management/latest/userguide/what-is-costmanagement.html

NEW QUESTION 66
- (Exam Topic 2)
A company runs a processing engine in the AWS Cloud The engine processes environmental data from logistics centers to calculate a sustainability index The company has millions of devices in logistics centers that are spread across Europe The devices send information to the processing engine through a RESTful API The API experiences unpredictable bursts of traffic The company must implement a solution to process all data that the devices send to the processing engine Data loss is unacceptable
Which solution will meet these requirements?

A. Create an Application Load Balancer (ALB) for the RESTful API Create an Amazon Simple Queue Service (Amazon SQS) queue Create a listener and a target group for the ALB Add the SQS queue as the target Use a container that runs in Amazon Elastic Container Service (Amazon ECS) with the Fargate launch type to process messages in the queue
B. Create an Amazon API Gateway HTTP API that implements the RESTful API Create an Amazon Simple Queue Service (Amazon SQS) queue Create an API Gateway service integration with the SQS queue Create an AWS Lambda function to process messages in the SQS queue
C. Create an Amazon API Gateway REST API that implements the RESTful API Create a fleet of Amazon EC2 instances in an Auto Scaling group Create an API Gateway Auto Scaling group proxy integration Use the EC2 instances to process incoming data
D. Create an Amazon CloudFront distribution for the RESTful API Create a data stream in Amazon Kinesis Data Streams Set the data stream as the origin for the distribution Create an AWS Lambda function to consume and process data in the data stream

Answer: A

Explanation:
it will use the ALB to handle the unpredictable bursts of traffic and route it to the SQS queue. The SQS queue will act as a buffer to store incoming data temporarily

and the container running in Amazon ECS with the Fargate launch type will process messages in the queue. This approach will ensure that all data is processed and prevent data loss.

NEW QUESTION 67
- (Exam Topic 2)
A solutions architect is designing a solution to process events. The solution must have the ability to scale in and out based on the number of events that the solution receives. If a processing error occurs, the event must move into a separate queue for review.
Which solution will meet these requirements?

A. Send event details to an Amazon Simple Notification Service (Amazon SNS) topi
B. Configure an AWS Lambda function as a subscriber to the SNS topic to process the event
C. Add an on-failure destination to the functio
D. Set an Amazon Simple Queue Service (Amazon SQS) queue as the target.
E. Publish events to an Amazon Simple Queue Service (Amazon SQS) queu
F. Create an Amazon EC2 Auto Scaling grou
G. Configure the Auto Scaling group to scale in and out based on the ApproximateAgeOfOldestMessage metric of the queu
H. Configure the application to write failed messages to a dead-letter queue.
I. Write events to an Amazon DynamoDB tabl
J. Configure a DynamoDB stream for the tabl
K. Configure the stream to invoke an AWS Lambda functio
L. Configure the Lambda function to process the events.
M. Publish events to an Amazon EventBridge event bu
N. Create and run an application on an Amazon EC2 instance with an Auto Scaling group that isbehind an Application Load Balancer (ALB). Set the ALB as the event bus targe
O. Configure the event bus to retry event
P. Write messages to a dead-letter queue if the application cannot process the messages.

Answer: A

Explanation:
Amazon Simple Notification Service (Amazon SNS) is a fully managed pub/sub messaging service that enables users to send messages to multiple subscribers1. Users can send event details to an Amazon SNS topic and configure an AWS Lambda function as a subscriber to the SNS topic to process the events. Lambda is a serverless compute service that runs code in response to events and automatically manages the underlying compute resources2. Users can add an on-failure destination to the function and set an Amazon Simple Queue
Service (Amazon SQS) queue as the target. Amazon SQS is a fully managed message queuing service that enables users to decouple and scale microservices, distributed systems, and serverless applications3. This way, if a processing error occurs, the event will move into the separate queue for review.
Option B is incorrect because publishing events to an Amazon SQS queue and creating an Amazon EC2 Auto Scaling group will not have the ability to scale in and out based on the number of events that the solution receives. Amazon EC2 is a web service that provides secure, resizable compute capacity in the cloud. Auto Scaling is a feature that helps users maintain application availability and allows them to scale their EC2 capacity up or down automatically according to conditions they define. However, for this use case, using SQS and EC2 will not take advantage of the serverless capabilities of Lambda and SNS.
Option C is incorrect because writing events to an Amazon DynamoDB table and configuring a DynamoDB stream for the table will not have the ability to move events into a separate queue for review if a processing error occurs. Amazon DynamoDB is a fully managed key-value and document database that delivers single-digit millisecond performance at any scale. DynamoDB Streams is a feature that captures data
modification events in DynamoDB tables. Users can configure the stream to invoke a Lambda function, but they cannot configure an on-failure destination for the function.
Option D is incorrect because publishing events to an Amazon EventBridge event bus and setting an Application Load Balancer (ALB) as the event bus target will not have the ability to move events into a separate queue for review if a processing error occurs. Amazon EventBridge is a serverless event bus service that makes it easy to connect applications with data from a variety of sources. An ALB is a load balancer that distributes incoming application traffic across multiple targets, such as EC2 instances, containers, IP addresses, Lambda functions, and virtual appliances. Users can configure EventBridge to retry events, but they cannot configure an on-failure destination for the ALB.

NEW QUESTION 69
- (Exam Topic 2)
A company runs a customer service center that accepts calls and automatically sends all customers a managed, interactive, two-way experience survey by text message.
The applications that support the customer service center run on machines that the company hosts in an on-premises data center. The hardware that the company uses is old, and the company is experiencing downtime with the system. The company wants to migrate the system to AWS to improve reliability.
Which solution will meet these requirements with the LEAST ongoing operational overhead?

A. Use Amazon Connect to replace the old call center hardwar
B. Use Amazon Pinpoint to send text message surveys to customers.
C. Use Amazon Connect to replace the old call center hardwar
D. Use Amazon Simple Notification Service (Amazon SNS) to send text message surveys to customers.
E. Migrate the call center software to Amazon EC2 instances that are in an Auto Scaling grou
F. Use the EC2 instances to send text message surveys to customers.
G. Use Amazon Pinpoint to replace the old call center hardware and to send text message surveys to customers.

Answer: A

Explanation:
Amazon Connect is a cloud-based contact center service that allows you to set up a virtual call center for your business. It provides an easy-to-use interface for managing customer interactions through voice and chat. Amazon Connect integrates with other AWS services, such as Amazon S3 and Amazon Kinesis, to help you collect, store, and analyze customer data for insights into customer behavior and trends. On the other hand, Amazon Pinpoint is a marketing automation and analytics service that allows you to engage with your customers across different channels, such as email, SMS, push notifications, and voice. It helps you create personalized campaigns based on user behavior and enables you to track user engagement and retention. While both services allow you to communicate with your customers, they serve different purposes. Amazon Connect is focused on customer support and service, while Amazon Pinpoint is focused on marketing and engagement.

NEW QUESTION 71
- (Exam Topic 2)

A company manufactures smart vehicles. The company uses a custom application to collect vehicle data. The vehicles use the MQTT protocol to connect to the application.
The company processes the data in 5-minute intervals. The company then copies vehicle telematics data to on-premises storage. Custom applications analyze this data to detect anomalies.
The number of vehicles that send data grows constantly. Newer vehicles generate high volumes of data. The on-premises storage solution is not able to scale for peak traffic, which results in data loss. The company must modernize the solution and migrate the solution to AWS to resolve the scaling challenges.
Which solution will meet these requirements with the LEAST operational overhead?

A. Use AWS IOT Greengrass to send the vehicle data to Amazon Managed Streaming for Apache Kafka (Amazon MSK). Create an Apache Kafka application to store the data in Amazon S3. Use a pretrained model in Amazon SageMaker to detect anomalies.
B. Use AWS IOT Core to receive the vehicle dat
C. Configure rules to route data to an Amazon Kinesis Data Firehose delivery stream that stores the data in Amazon S3. Create an Amazon Kinesis Data Analytics application that reads from the delivery stream to detect anomalies.
D. Use AWS IOT FleetWise to collect the vehicle dat
E. Send the data to an Amazon Kinesis data stream.Use an Amazon Kinesis Data Firehose delivery stream to store the data in Amazon S3. Use the built-in machine learning transforms in AWS Glue to detect anomalies.
F. Use Amazon MQ for RabbitMQ to collect the vehicle dat
G. Send the data to an Amazon Kinesis Data Firehose delivery stream to store the data in Amazon S3. Use Amazon Lookout for Metrics to detect anomalies.

Answer: B

Explanation:
Using AWS IoT Core to receive the vehicle data will enable connecting the smart vehicles to the cloud using the MQTT protocol1. AWS IoT Core is a platform that enables you to connect devices to AWS Services and other devices, secure data and interactions, process and act upon device data, and enable applications to interact with devices even when they are offline2. Configuring rules to route data to an Amazon Kinesis Data Firehose delivery stream that stores the data in Amazon S3 will enable processing and storing the vehicle data in a scalable and reliable way3. Amazon Kinesis Data Firehose is a fully managed service that delivers real-time streaming data to destinations such as Amazon S3. Creating an Amazon Kinesis Data Analytics application that reads from the delivery stream to detect anomalies will enable analyzing the vehicle data using SQL queries or Apache Flink applications. Amazon Kinesis Data Analytics is a fully managed service that enables you to process and analyze streaming data using SQL or Java.

NEW QUESTION 74
- (Exam Topic 2)
A company wants to run a custom network analysis software package to inspect traffic as traffic leaves and enters a VPC. The company has deployed the solution by using AWS Cloud Formation on three Amazon EC2 instances in an Auto Scaling group. All network routing has been established to direct traffic to the EC2 instances.
Whenever the analysis software stops working, the Auto Scaling group replaces an instance. The network routes are not updated when the instance replacement occurs.
Which combination of steps will resolve this issue? {Select THREE.)

A. Create alarms based on EC2 status check metrics that will cause the Auto Scaling group to replace the failed instance.
B. Update the Cloud Formation template to install the Amazon CloudWatch agent on the EC2 instances.Configure the CloudWatch agent to send process metrics for the application.
C. Update the Cloud Formation template to install AWS Systems Manager Agent on the EC2 instances.Configure Systems Manager Agent to send process metrics for the application.
D. Create an alarm for the custom metric in Amazon CloudWatch for the failure scenario
E. Configure the alarm to publish a message to an Amazon Simple Notification Service {Amazon SNS) topic.
F. Create an AWS Lambda function that responds to the Amazon Simple Notification Service (Amazon SNS) message to take the instance out of servic
G. Update the network routes to point to the replacement instance.
H. In the Cloud Formation template, write a condition that updates the network routes when a replacement instance is launched.

Answer: BDE

NEW QUESTION 77
- (Exam Topic 2)
A company needs to establish a connection from its on-premises data center to AWS. The company needs to connect all of its VPCs that are located in different AWS Regions with transitive routing capabilities between VPC networks. The company also must reduce network outbound traffic costs, increase bandwidth throughput, and provide a consistent network experience for end users.
Which solution will meet these requirements?

A. Create an AWS Site-to-Site VPN connection between the on-premises data center and a new central VP
B. Create VPC peering connections that initiate from the central VPC to all other VPCs.
C. Create an AWS Direct Connect connection between the on-premises data center and AW
D. Provision a transit VIF, and connect it to a Direct Connect gatewa
E. Connect the Direct Connect gateway to all the other VPCs by using a transit gateway in each Region.
F. Create an AWS Site-to-Site VPN connection between the on-premises data center and a new central VP
G. Use a transit gateway with dynamic routin
H. Connect the transit gateway to all other VPCs.
I. Create an AWS Direct Connect connection between the on-premises data center and AWS Establish an AWS Site-to-Site VPN connection between all VPCs in each Regio
J. Create VPC peering connections that initiate from the central VPC to all other VPCs.

Answer: B

Explanation:
Transit GW + Direct Connect GW + Transit VIF + enabled SiteLink if two different DX locations https://aws.amazon.com/blogs/networking-and-content-delivery/introducing-aws-direct-connect-sitelink/

NEW QUESTION 78
- (Exam Topic 2)
A company has many separate AWS accounts and uses no central billing or management. Each AWS account hosts services for different departments in the

company. The company has a Microsoft Azure Active Directory that is deployed.
A solution architect needs to centralize billing and management of the company's AWS accounts. The company wants to start using identify federation instead of manual user management. The company also wants to use temporary credentials instead of long-lived access keys.
Which combination of steps will meet these requirements? (Select THREE)

A. Create a new AWS account to serve as a management accoun
B. Deploy an organization in AWS Organization
C. Invite each existing AWS account to join the organizatio
D. Ensure that each account accepts the invitation.
E. Configure each AWS Account's email address to be aws+<account id>@example.com so that account management email messages and invoices are sent to the same place.
F. Deploy AWS IAM Identity Center (AWS Single Sign-On) in the management accoun
G. Connect IAM Identity Center to the Azure Active Director
H. Configure IAM Identity Center for automatic synchronization of users and groups.
I. Deploy an AWS Managed Microsoft AD directory in the management accoun
J. Share the directory with all other accounts in the organization by using AWS Resource Access Manager (AWS RAM).
K. Create AWS IAM Identity Center (AWS Single Sign-On) permission set
L. Attach the permission sets to the appropriate IAM Identity Center groups and AWS accounts.
M. Configure AWS Identity and Access Management (IAM) in each AWS account to use AWS Managed Microsoft AD for authentication and authorization.

Answer: ACE

NEW QUESTION 79
- (Exam Topic 2)
A company runs an intranet application on premises. The company wants to configure a cloud backup of the application. The company has selected AWS Elastic Disaster Recovery for this solution.
The company requires that replication traffic does not travel through the public internet. The application also must not be accessible from the internet. The company does not want this solution to consume all available network bandwidth because other applications require bandwidth.
Which combination of steps will meet these requirements? (Select THREE.)

A. Create a VPC that has at least two private subnets, two NAT gateways, and a virtual private gateway.
B. Create a VPC that has at least two public subnets, a virtual private gateway, and an internet gateway.
C. Create an AWS Site-to-Site VPN connection between the on-premises network and the target AWS network.
D. Create an AWS Direct Connect connection and a Direct Connect gateway between the on-premises network and the target AWS network.
E. During configuration of the replication servers, select the option to use private IP addresses for data replication.
F. During configuration of the launch settings for the target servers, select the option to ensure that the Recovery instance's private IP address matches the source server's private IP address.

Answer: BDE

Explanation:
AWS Elastic Disaster Recovery (AWS DRS) is a service that minimizes downtime and data loss with fast, reliable recovery of on-premises and cloud-based applications using affordable storage, minimal compute, and point-in-time recovery1. Users can set up AWS DRS on their source servers to initiate secure data replication to a staging area subnet in their AWS account, in the AWS Region they select. Users can then launch recovery instances on AWS within minutes, using the most up-to-date server state or a previous point in time.
To configure a cloud backup of the application with AWS DRS, users need to create a VPC that has at least
two public subnets, a virtual private gateway, and an internet gateway. A VPC is a logically isolated section of the AWS Cloud where users can launch AWS resources in a virtual network that they define2. A public subnet is a subnet that has a route to an internet gateway3. A virtual private gateway is the VPN concentrator on the Amazon side of the Site-to-Site VPN connection4. An internet gateway is a horizontally scaled, redundant, and highly available VPC component that allows communication between instances in the VPC and the internet. Users need to create at least two public subnets for redundancy and high availability. Users need to create a virtual private gateway and attach it to the VPC to enable VPN connectivity between the on-premises network and the target AWS network. Users need to create an internet gateway and attach it to the VPC to enable internet access for the replication servers.
To ensure that replication traffic does not travel through the public internet, users need to create an AWS Direct Connect connection and a Direct Connect gateway between the on-premises network and the target AWS network. AWS Direct Connect is a service that establishes a dedicated network connection from an on-premises network to one or more VPCs. A Direct Connect gateway is a globally available resource that allows users to connect multiple VPCs across different Regions to their on-premises networks using one or more Direct Connect connections. Users need to create an AWS Direct Connect connection between their on-premises network and an AWS Region. Users need to create a Direct Connect gateway and associate it with their VPC and their Direct Connect connection.
To ensure that the application is not accessible from the internet, users need to select the option to use private IP addresses for data replication during configuration of the replication servers. This option configures the replication servers with private IP addresses only, without assigning any public IP addresses or Elastic IP addresses. This way, the replication servers can only communicate with other resources within the VPC or through VPN connections.
Option A is incorrect because creating a VPC that has at least two private subnets, two NAT gateways, and a virtual private gateway is not necessary or cost-effective. A private subnet is a subnet that does not have a route to an internet gateway3. A NAT gateway is a highly available, managed Network Address Translation (NAT) service that enables instances in a private subnet to connect to the internet or other AWS services, but prevents the internet from initiating connections with those instances. Users do not need to create private subnets or NAT gateways for this use case, as they can use public subnets with private IP addresses for data replication.
Option C is incorrect because creating an AWS Site-to-Site VPN connection between the on-premises network and the target AWS network will not ensure that replication traffic does not travel through the public
internet. A Site-to-Site VPN connection consists of two VPN tunnels between an on-premises customer
gateway device and a virtual private gateway in your VPC4. The VPN tunnels are encrypted using IPSec protocols, but they still use public IP addresses for communication. Users need to use AWS Direct Connect instead of Site-to-Site VPN for this use case.
Option F is incorrect because selecting the option to ensure that the Recovery instance's private IP address matches the source server's private IP address during configuration of the launch settings for the target servers will not ensure that the application is not accessible from the internet. This option configures the Recovery instance with an identical private IP address as its source server when launched in drills or recovery mode. However, this option does not prevent assigning public IP addresses or Elastic IP addresses to the Recovery instance. Users need to select the option to use private IP addresses for data replication instead.

NEW QUESTION 80
- (Exam Topic 2)
A company is running a web application in a VPC. The web application runs on a group of Amazon EC2 instances behind an Application Load Balancer (ALB). The ALB is using AWS WAF.
An external customer needs to connect to the web application. The company must provide IP addresses to all external customers.

Which solution will meet these requirements with the LEAST operational overhead?

A. Replace the ALB with a Network Load Balancer (NLB). Assign an Elastic IP address to the NLB.
B. Allocate an Elastic IP addres
C. Assign the Elastic IP address to the ALProvide the Elastic IP address to the customer.
D. Create an AWS Global Accelerator standard accelerato
E. Specify the ALB as the accelerator's endpoint.Provide the accelerator's IP addresses to the customer.
F. Configure an Amazon CloudFront distributio
G. Set the ALB as the origi
H. Ping the distribution's DNS name to determine the distribution's public IP addres
I. Provide the IP address to the customer.

Answer: C

Explanation:
https://docs.aws.amazon.com/global-accelerator/latest/dg/about-accelerators.alb-accelerator.html Option A is wrong. AWS WAF does not support associating with NLB.
https://docs.aws.amazon.com/waf/latest/developerguide/waf-chapter.html Option B is wrong. An ALB does not support an Elastic IP address.
https://aws.amazon.com/elasticloadbalancing/features/

NEW QUESTION 85
- (Exam Topic 2)
A company has a critical application in which the data tier is deployed in a single AWS Region. The data tier uses an Amazon DynamoDB table and an Amazon Aurora MySQL DB cluster. The current Aurora MySQL engine version supports a global database. The application tier is already deployed in two Regions. Company policy states that critical applications must have application tier components and data tier components deployed across two Regions. The RTO and RPO must be no more than a few minutes each. A solutions architect must recommend a solution to make the data tier compliant with company policy.
Which combination of steps will meet these requirements? (Choose two.)

A. Add another Region to the Aurora MySQL DB cluster
B. Add another Region to each table in the Aurora MySQL DB cluster
C. Set up scheduled cross-Region backups for the DynamoDB table and the Aurora MySQL DB cluster
D. Convert the existing DynamoDB table to a global table by adding another Region to its configuration
E. Use Amazon Route 53 Application Recovery Controller to automate database backup and recovery to the secondary Region

Answer: AD

Explanation:
The company should use Amazon Aurora global database and Amazon DynamoDB global table to deploy the data tier components across two Regions. Amazon Aurora global database is a feature that allows a single
Aurora database to span multiple AWS Regions, enabling low-latency global reads and fast recovery from Region-wide outages1. Amazon DynamoDB global table is a feature that allows a single DynamoDB table to span multiple AWS Regions, enabling low-latency global reads and writes and fast recovery from Region-wide outages2.
References:

- https://aws.amazon.com/rds/aurora/global-database/
- https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/globaltables_HowItWorks.html
- https://aws.amazon.com/route53/application-recovery-controller/

NEW QUESTION 88
- (Exam Topic 2)
A company has several AWS accounts. A development team is building an automation framework for cloud governance and remediation processes. The automation framework uses AWS Lambda functions in a centralized account. A solutions architect must implement a least privilege permissions policy that allows the Lambda functions to run in each of the company's AWS accounts.
Which combination of steps will meet these requirements? (Choose two.)

A. In the centralized account, create an IAM role that has the Lambda service as a trusted entit
B. Add an inline policy to assume the roles of the other AWS accounts.
C. In the other AWS accounts, create an IAM role that has minimal permission
D. Add the centralized account's Lambda IAM role as a trusted entity.
E. In the centralized account, create an IAM role that has roles of the other accounts as trusted entities.Provide minimal permissions.
F. In the other AWS accounts, create an IAM role that has permissions to assume the role of the centralized accoun
G. Add the Lambda service as a trusted entity.
H. In the other AWS accounts, create an IAM role that has minimal permission
I. Add the Lambda service as a trusted entity.

Answer: AB

Explanation:
https://medium.com/@it.melnichenko/invoke-a-lambda-across-multiple-aws-accounts-8c094b2e70be

NEW QUESTION 91
- (Exam Topic 2)
A company uses an AWS CodeCommit repository The company must store a backup copy of the data that is in the repository in a second AWS Region
Which solution will meet these requirements?

A. Configure AWS Elastic Disaster Recovery to replicate the CodeCommit repository data to the second Region
B. Use AWS Backup to back up the CodeCommit repository on an hourly schedule Create a cross-Region copy in the second Region
C. Create an Amazon EventBridge rule to invoke AWS CodeBuild when the company pushes code to the repository Use CodeBuild to clone the repository Create a zip file of the content Copy the file to an S3 bucket in the second Region
D. Create an AWS Step Functions workflow on an hourly schedule to take a snapshot of the CodeCommit repository Configure the workflow to copy the snapshot

to an S3 bucket in the second Region

Answer: B

Explanation:
AWS Backup is a fully managed service that makes it easy to centralize and automate the creation, retention, and restoration of backups across AWS services. It provides a way to schedule automatic backups for CodeCommit repositories on an hourly basis. Additionally, it also supports cross-Region replication, which allows you to copy the backups to a second Region for disaster recovery.
By using AWS Backup, the company can set up an automatic and regular backup schedule for the CodeCommit repository, ensuring that the data is regularly backed up and stored in a second Region. This can provide a way to recover quickly from any disaster event that might occur.
Reference:
AWS Backup documentation: https://aws.amazon.com/backup/ AWS Backup for AWS CodeCommit documentation:
https://aws.amazon.com/about-aws/whats-new/2020/07/aws-backup-now-supports-aws-codecommit-repositorie

NEW QUESTION 94
- (Exam Topic 2)
A company has multiple business units that each have separate accounts on AWS. Each business unit manages its own network with several VPCs that have CIDR ranges that overlap. The company's marketing team has created a new internal application and wants to make the application accessible to all the other business units. The solution must use private IP addresses only.
Which solution will meet these requirements with the LEAST operational overhead?

A. Instruct each business unit to add a unique secondary CIDR range to the business unit's VP
B. Peer the VPCs and use a private NAT gateway in the secondary range to route traffic to the marketing team.
C. Create an Amazon EC2 instance to serve as a virtual appliance in the marketing account's VP
D. Create an AWS Site-to-Site VPN connection between the marketing team and each business unit's VP
E. Perform NAT where necessary.
F. Create an AWS PrivateLink endpoint service to share the marketing applicatio
G. Grant permission to specific AWS accounts to connect to the servic
H. Create interface VPC endpoints in other accounts to access the application by using private IP addresses.
I. Create a Network Load Balancer (NLB) in front of the marketing application in a private subne
J. Create an API Gateway AP
K. Use the Amazon API Gateway private integration to connect the API to the NL
L. Activate IAM authorization for the AP
M. Grant access to the accounts of the other business units.

Answer: C

Explanation:
With AWS PrivateLink, the marketing team can create an endpoint service to share their internal application with other accounts securely using private IP addresses. They can grant permission to specific AWS accounts to connect to the service and create interface VPC endpoints in the other accounts to access the application by using private IP addresses. This option does not require any changes to the network of the other business units, and it does not require peering or NATing. This solution is both scalable and secure.
https://aws.amazon.com/blogs/networking-and-content-delivery/connecting-networks-with-overlapping-ip-range

NEW QUESTION 97
- (Exam Topic 2)
A solutions architect must create a business case for migration of a company's on-premises data center to the AWS Cloud. The solutions architect will use a configuration management database (CMDB) export of all the company's servers to create the case.
Which solution will meet these requirements MOST cost-effectively?

A. Use AWS Well-Architected Tool to import the CMDB data to perform an analysis and generate recommendations.
B. Use Migration Evaluator to perform an analysi
C. Use the data import template to upload the data from the CMDB export.
D. Implement resource matching rule
E. Use the CMDB export and the AWS Price List Bulk API to query CMDB data against AWS services in bulk.
F. Use AWS Application Discovery Service to import the CMDB data to perform an analysis.

Answer: B

Explanation:
https://aws.amazon.com/blogs/architecture/accelerating-your-migration-to-aws/ Build a business case with AWS Migration Evaluator The foundation for a successful migration starts with a defined business objective (for example, growth or new offerings). In order to enable the business drivers, the established business case must then be aligned to a technical capability (increased security and elasticity). AWS Migration Evaluator (formerly known as TSO Logic) can help you meet these objectives. To get started, you can choose to upload exports from third-party tools such as Configuration Management Database (CMDB) or install a collector agent to monitor. You will receive an assessment after data collection, which includes a projected cost estimate and savings of running your on-premises workloads in the AWS Cloud. This estimate will provide a summary of the projected costs to re-host on AWS based on usage patterns. It will show the breakdown of costs by infrastructure and software licenses. With this information, you can make the business case and plan next steps.

NEW QUESTION 101
- (Exam Topic 2)
A software-as-a-service (SaaS) provider exposes APIs through an Application Load Balancer (ALB). The ALB connects to an Amazon Elastic Kubernetes Service (Amazon EKS) cluster that is deployed in the
us-east-I Region. The exposed APIs contain usage of a few non-standard REST methods: LINK, UNLINK, LOCK, and UNLOCK.
Users outside the United States are reporting long and inconsistent response times for these APIs. A solutions architect needs to resolve this problem with a solution that minimizes operational overhead.
Which solution meets these requirements?

A. Add an Amazon CloudFront distributio
B. Configure the ALB as the origin.
C. Add an Amazon API Gateway edge-optimized API endpoint to expose the API

D. Configure the ALB as the target.
E. Add an accelerator in AWS Global Accelerato
F. Configure the ALB as the origin.
G. Deploy the APIs to two additional AWS Regions: eu-west-l and ap-southeast-2. Add latency-based routing records in Amazon Route 53.

Answer: C

Explanation:
Adding an accelerator in AWS Global Accelerator will enable improving the performance of the APIs for local and global users1. AWS Global Accelerator is a service that uses the AWS global network to route traffic to the optimal regional endpoint based on health, client location, and policies1. Configuring the ALB as the origin will enable connecting the accelerator to the ALB that exposes the APIs2. AWS Global Accelerator supports non-standard REST methods such as LINK, UNLINK, LOCK, and UNLOCK3.

NEW QUESTION 104
- (Exam Topic 2)
A company has a few AWS accounts for development and wants to move its production application to AWS. The company needs to enforce Amazon Elastic Block Store (Amazon EBS) encryption at rest current production accounts and future production accounts only. The company needs a solution that includes built-in blueprints and guardrails.
Which combination of steps will meet these requirements? (Choose three.)

A. Use AWS CloudFormation StackSets to deploy AWS Config rules on production accounts.
B. Create a new AWS Control Tower landing zone in an existing developer accoun
C. Create OUs for account
D. Add production and development accounts to production and development OUs, respectively.
E. Create a new AWS Control Tower landing zone in the company’s management accoun
F. Add production and development accounts to production and development OU
G. respectively.
H. Invite existing accounts to join the organization in AWS Organization
I. Create SCPs to ensure compliance.
J. Create a guardrail from the management account to detect EBS encryption.
K. Create a guardrail for the production OU to detect EBS encryption.

Answer: CDF

Explanation:
https://docs.aws.amazon.com/controltower/latest/userguide/controls.html https://docs.aws.amazon.com/controltower/latest/userguide/strongly-recommended-controls.html#ebs-enable-en AWS is now transitioning the previous term 'guardrail' new term 'control'.

NEW QUESTION 107
- (Exam Topic 2)
A solutions architect at a large company needs to set up network security tor outbound traffic to the internet from all AWS accounts within an organization in AWS Organizations. The organization has more than 100 AWS accounts, and the accounts route to each other by using a centralized AWS Transit Gateway. Each account has both an internet gateway and a NAT gateway tor outbound traffic to the internet The company deploys resources only into a single AWS Region.
The company needs the ability to add centrally managed rule-based filtering on all outbound traffic to the internet for all AWS accounts in the organization. The peak load of outbound traffic will not exceed 25 Gbps in each Availability Zone.
Which solution meets these requirements?

A. Create a new VPC for outbound traffic to the interne
B. Connect the existing transit gateway to the new VP
C. Configure a new NAT gatewa
D. Create an Auto Scaling group of Amazon EC2 instances that run an open-source internet proxy for rule-based filtering across all Availability Zones in the Regio
E. Modify all default routes to point to the proxy's Auto Scaling group.
F. Create a new VPC for outbound traffic to the interne
G. Connect the existing transit gateway to the new VP
H. Configure a new NAT gatewa
I. Use an AWSNetwork Firewall firewall for rule-based filterin
J. Create Network Firewall endpoints in each Availability Zon
K. Modify all default routes to point to the Network Firewall endpoints.
L. Create an AWS Network Firewall firewall for rule-based filtering in each AWS accoun
M. Modify all default routes to point to the Network Firewall firewalls in each account.
N. In each AWS account, create an Auto Scaling group of network-optimized Amazon EC2 instances that run an open-source internet proxy for rule-based filterin
O. Modify all default routes to point to the proxy's Auto Scaling group.

Answer: B

Explanation:
https://aws.amazon.com/blogs/networking-and-content-delivery/deployment-models-for-aws-network-firewall/

NEW QUESTION 110
- (Exam Topic 2)
A company is running an application that uses an Amazon ElastiCache for Redis cluster as a caching layer A recent security audit revealed that the company has configured encryption at rest for ElastiCache However the company did not configure ElastiCache to use encryption in transit Additionally, users can access the cache without authentication
A solutions architect must make changes to require user authentication and to ensure that the company is using end-to-end encryption
Which solution will meet these requirements?

A. Create an AUTH token Store the token in AWS System Manager Parameter Store, as an encrypted parameter Create a new cluster with AUTH and configure encryption in transit Update the application toretrieve the AUTH token from Parameter Store when necessary and to use the AUTH token for authentication
B. Create an AUTH token Store the token in AWS Secrets Manager Configure the existing cluster to use the AUTH token and configure encryption in transit Update the application to retrieve the AUTH token from Secrets Manager when necessary and to use the AUTH token for authentication.

C. Create an SSL certificate Store the certificate in AWS Secrets Manager Create a new cluster and configure encryption in transit Update the application to retrieve the SSL certificate from Secrets Manager when necessary and to use the certificate for authentication.
D. Create an SSL certificate Store the certificate in AWS Systems Manager Parameter Store, as an encrypted advanced parameter Update the existing cluster to configure encryption in transit Update the application to retrieve the SSL certificate from Parameter Store when necessary and to use the certificate for authentication

Answer: B

Explanation:
Creating an AUTH token and storing it in AWS Secrets Manager and configuring the existing cluster to use the AUTH token and configure encryption in transit, and updating the application to retrieve the AUTH token from Secrets Manager when necessary and to use the AUTH token for authentication, would meet the requirements for user authentication and end-to-end encryption.
AWS Secrets Manager is a service that enables you to easily rotate, manage, and retrieve database credentials, API keys, and other secrets throughout their lifecycle. Secrets Manager also enables you to encrypt the data and ensure that only authorized users and applications can access it.
By configuring the existing cluster to use the AUTH token and encryption in transit, all data will be encrypted as it is sent over the network, providing additional security for the data stored in ElastiCache.
Additionally, by updating the application to retrieve the AUTH token from Secrets Manager when necessary and to use the AUTH token for authentication, it ensures that only authorized users and applications can access the cache.
Reference:
AWS Secrets Manager documentation: https://aws.amazon.com/secrets-manager/ Encryption in transit for ElastiCache: https://docs.aws.amazon.com/AmazonElastiCache/latest/red-ug/encryption.html
Authentication and Authorization for ElastiCache: https://docs.aws.amazon.com/AmazonElastiCache/latest/red-ug/accessing-elasticache.html

NEW QUESTION 115
- (Exam Topic 2)
A company uses AWS Organizations with a single OU named Production to manage multiple accounts All accounts are members of the Production OU Administrators use deny list SCPs in the root of the organization to manage access to restricted services.
The company recently acquired a new business unit and invited the new unit's existing AWS account to the organization Once onboarded the administrators of the new business unit discovered that they are not able to update existing AWS Config rules to meet the company's policies.
Which option will allow administrators to make changes and continue to enforce the current policies without introducing additional long-term maintenance?

A. Remove the organization's root SCPs that limit access to AWS Config Create AWS Service Catalog products for the company's standard AWS Config rules and deploy them throughout the organization, including the new account.
B. Create a temporary OU named Onboarding for the new account Apply an SCP to the Onboarding OU to allow AWS Config actions Move the new account to the Production OU when adjustments to AWS Config are complete
C. Convert the organization's root SCPs from deny list SCPs to allow list SCPs to allow the required services only Temporarily apply an SCP to the organization's root that allows AWS Config actions forprincipals only in the new account.
D. Create a temporary OU named Onboarding for the new account Apply an SCP to the Onboarding OU to allow AWS Config action
E. Move the organization's root SCP to the Production O
F. Move the new account to the Production OU when adjustments to AWS Config are complete.

Answer: D

Explanation:
An SCP at a lower level can't add a permission after it is blocked by an SCP at a higher level. SCPs can only filter; they never add permissions. SO you need to create a new OU for the new account assign an SCP, and move the root SCP to Production OU. Then move the new account to production OU when AWS config is done.

NEW QUESTION 118
- (Exam Topic 2)
A company's interactive web application uses an Amazon CloudFront distribution to serve images from an Amazon S3 bucket. Occasionally, third-party tools ingest corrupted images into the S3 bucket. This image corruption causes a poor user experience in the application later. The company has successfully implemented and tested Python logic to detect corrupt images.
A solutions architect must recommend a solution to integrate the detection logic with minimal latency between the ingestion and serving.
Which solution will meet these requirements?

A. Use a Lambda@Edge function that is invoked by a viewer-response event.
B. Use a Lambda@Edge function that is invoked by an origin-response event.
C. Use an S3 event notification that invokes an AWS Lambda function.
D. Use an S3 event notification that invokes an AWS Step Functions state machine.

Answer: B

Explanation:
This solution will allow the detection logic to be run as soon as the image is uploaded to the S3 bucket, before it is served to users via the CloudFront distribution. This way, the detection logic can quickly identify any corrupted images and prevent them from being served to users, minimizing latency between ingestion and serving.
Reference: AWS Lambda@Edge documentation:
https://docs.aws.amazon.com/lambda/latest/dg/lambda-edge.html You can use Lambda@Edge to run your code in response to CloudFront events, such as a viewer request, an origin request, a response, or an error.

NEW QUESTION 122
- (Exam Topic 2)
A company is building a call center by using Amazon Connect. The company's operations team is defining a disaster recovery (DR) strategy across AWS Regions. The contact center has dozens of contact flows, hundreds of users, and dozens of claimed phone numbers.
Which solution will provide DR with the LOWEST RTO?

A. Create an AWS Lambda function to check the availability of the Amazon Connect instance and to send a notification to the operations team in case of unavailabilit
B. Create an Amazon EventBridge rule to invoke the Lambda function every 5 minute

C. After notification, instruct the operations team to use theAWS Management Console to provision a new Amazon Connect instance in a second Regio
D. Deploy the contact flows, users, and claimed phone numbers by using an AWS CloudFormation template.
E. Provision a new Amazon Connect instance with all existing users in a second Regio
F. Create an AWS Lambda function to check the availability of the Amazon Connect instanc
G. Create an Amazon EventBridge rule to invoke the Lambda function every 5 minute
H. In the event of an issue, configure the Lambda function to deploy an AWS CloudFormation template that provisions contact flows and claimed numbers in the second Region.
I. Provision a new Amazon Connect instance with all existing contact flows and claimed phone numbers in a second Regio
J. Create an Amazon Route 53 health check for the URL of the Amazon Connect instanc
K. Create an Amazon CloudWatch alarm for failed health check
L. Create an AWS Lambda function to deploy an AWS CloudFormation template that provisions all user
M. Configure the alarm to invoke the Lambda function.
N. Provision a new Amazon Connect instance with all existing users and contact flows in a second Region.Create an Amazon Route 53 health check for the URL of the Amazon Connect instanc
O. Create an Amazon CloudWatch alarm for failed health check
P. Create an AWS Lambda function to deploy an AWS CloudFormation template that provisions claimed phone number
Q. Configure the alarm to invoke the Lambda function.

Answer: D

Explanation:
Option D provisions a new Amazon Connect instance with all existing users and contact flows in a second Region. It also sets up an Amazon Route 53 health check for the URL of the Amazon Connect instance, an Amazon CloudWatch alarm for failed health checks, and an AWS Lambda function to deploy an AWS CloudFormation template that provisions claimed phone numbers. This option allows for the fastest recovery time because all the necessary components are already provisioned and ready to go in the second Region. In the event of a disaster, the failed health check will trigger the AWS Lambda function to deploy the CloudFormation template to provision the claimed phone numbers, which is the only missing component.

NEW QUESTION 126
- (Exam Topic 2)
A company uses AWS Organizations to manage more than 1.000 AWS accounts. The company has created a new developer organization. There are 540 developer member accounts that must be moved to the new developer organization. All accounts are set up with all the required Information so that each account can be operated as a standalone account.
Which combination of steps should a solutions architect take to move all of the developer accounts to the new developer organization? (Select THREE.)

A. Call the MoveAccount operation in the Organizations API from the old organization's management account to migrate the developer accounts to the new developer organization.
B. From the management account, remove each developer account from the old organization using the RemoveAccountFromOrganization operation in the Organizations API.
C. From each developer account, remove the account from the old organization using theRemoveAccountFromOrganization operation in the Organizations API.
D. Sign in to the new developer organization's management account and create a placeholder member account that acts as a target for the developer account migration.
E. Call the InviteAccountToOrganization operation in the Organizations API from the new developer organization's management account to send invitations to the developer accounts.
F. Have each developer sign in to their account and confirm to join the new developer organization.

Answer: BEF

Explanation:
"This operation can be called only from the organization's management account. Member accounts can remove themselves with LeaveOrganization instead."
https://docs.aws.amazon.com/organizations/latest/APIReference/API_RemoveAccountFromOrganization.html

NEW QUESTION 130
- (Exam Topic 2)
A company is storing sensitive data in an Amazon S3 bucket. The company must log all activities for objects in the S3 bucket and must keep the logs for 5 years. The company's security team also must receive an email notification every time there is an attempt to delete data in the S3 bucket.
Which combination of steps will meet these requirements MOST cost-effectively? (Select THREE.)

A. Configure AWS CloudTrail to log S3 data events.
B. Configure S3 server access logging for the S3 bucket.
C. Configure Amazon S3 to send object deletion events to Amazon Simple Email Service (Amazon SES).
D. Configure Amazon S3 to send object deletion events to an Amazon EventBridge event bus that publishes to an Amazon Simple Notification Service (Amazon SNS) topic.
E. Configure Amazon S3 to send the logs to Amazon Timestream with data storage tiering.
F. Configure a new S3 bucket to store the logs with an S3 Lifecycle policy.

Answer: ADF

Explanation:
Configuring AWS CloudTrail to log S3 data events will enable logging all activities for objects in the S3 bucket1. Data events are object-level API operations such as GetObject, DeleteObject, and PutObject1. Configuring Amazon S3 to send object deletion events to an Amazon EventBridge event bus that publishes to an Amazon Simple Notification Service (Amazon SNS) topic will enable sending email notifications every time there is an attempt to delete data in the S3 bucket2. EventBridge can route events from S3 to SNS, which can send emails to subscribers2. Configuring a new S3 bucket to store the logs with an S3 Lifecycle policy will enable keeping the logs for 5 years in a cost-effective way3. A lifecycle policy can transition the logs to a cheaper storage class such as Glacier or delete them after a specified period of time3.

NEW QUESTION 135
- (Exam Topic 2)
A company recently started hosting new application workloads in the AWS Cloud. The company is using Amazon EC2 instances, Amazon Elastic File System (Amazon EFS) file systems, and Amazon RDS DB instances.
To meet regulatory and business requirements, the company must make the following changes for data backups:

* Backups must be retained based on custom daily, weekly, and monthly requirements.
* Backups must be replicated to at least one other AWS Region immediately after capture.
* The backup solution must provide a single source of backup status across the AWS environment.
* The backup solution must send immediate notifications upon failure of any resource backup.
Which combination of steps will meet this requirement with the LEAST amount of operational overhead? (Select THREE.)

A. Create an AWS Backup plan with a backup rule for each of the retention requirements.
B. Configure an AWS backup plan to copy backups to another Region.
C. Create an AWS Lambda function to replicate backups to another Region and send notification if a failure occurs.
D. Add an Amazon Simple Notification Service (Amazon SNS) topic to the backup plan to send a notification for finished jobs that have any status except BACKUP- JOB- COMPLETED.
E. Create an Amazon Data Lifecycle Manager (Amazon DLM) snapshot lifecycle policy for each of the retention requirements.
F. Set up RDS snapshots on each database.

Answer: ABD

Explanation:
Cross region with AWS Backup:
https://docs.aws.amazon.com/aws-backup/latest/devguide/cross-region-backup.html

NEW QUESTION 139
- (Exam Topic 2)
A solutions architect is designing an AWS account structure for a company that consists of multiple teams. All the teams will work in the same AWS Region. The company needs a VPC that is connected to the on-premises network. The company expects less than 50 Mbps of total traffic to and from the on-premises network.
Which combination of steps will meet these requirements MOST cost-effectively? (Select TWO.)

A. Create an AWS Cloud Formation template that provisions a VPC and the required subnet
B. Deploy the template to each AWS account.
C. Create an AWS Cloud Formation template that provisions a VPC and the required subnet
D. Deploy the template to a shared services account Share the subnets by using AWS Resource Access Manager.
E. Use AWS Transit Gateway along with an AWS Site-to-Site VPN for connectivity to the on-premises networ
F. Share the transit gateway by using AWS Resource Access Manager.
G. Use AWS Site-to-Site VPN for connectivity to the on-premises network.
H. Use AWS Direct Connect for connectivity to the on-premises network.

Answer: BD

NEW QUESTION 143
- (Exam Topic 2)
A company has VPC flow logs enabled for its NAT gateway. The company is seeing Action = ACCEPT for inbound traffic that comes from public IP address 198.51.100.2 destined for a private Amazon EC2 instance.
A solutions architect must determine whether the traffic represents unsolicited inbound connections from the internet. The first two octets of the VPC CIDR block are 203.0.
Which set of steps should the solutions architect take to meet these requirements?

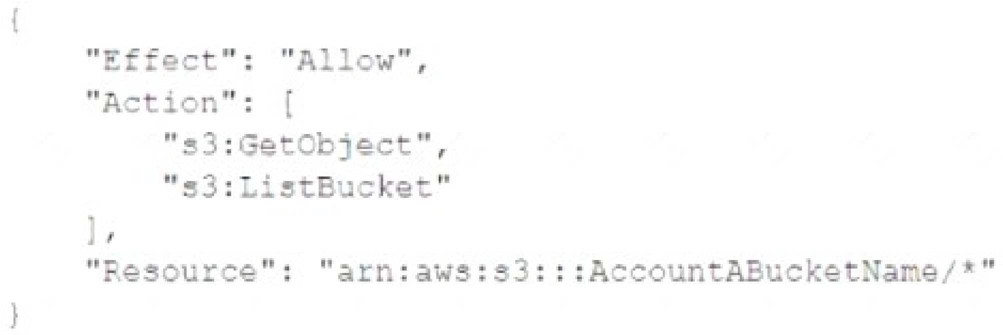
A. Open the AWS CloudTrail consol
B. Select the log group that contains the NAT gateway's elastic network interface and the private instance's elastic network interfac
C. Run a query to filter with the destination address set as "like 203.0" and the source address set as "like 198.51.100.2". Run the stats command to filter the sum of bytes transferred by the source address and the destination address.
D. Open the Amazon CloudWatch consol
E. Select the log group that contains the NAT gateway's elastic network interface and the private instance's elastic network interfac
F. Run a query to filter with the destination address set as "like 203.0" and the source address set as "like 198.51.100.2". Run the stats command to filter the sum of bytes transferred by the source address and the destination address.
G. Open the AWS CloudTrail consol
H. Select the log group that contains the NAT gateway's elastic network interface and the private instance's elastic network interfac
I. Run a query to filter with the destination address set as "like 198.51.100.2" and the source address set as "like 203.0". Run the stats command to filter the sum of bytes transferred by the source address and the destination address.
J. Open the Amazon CloudWatch consol
K. Select the log group that contains the NAT gateway's elastic network interface and the private instance's elastic network interfac
L. Run a query to filter with the destination address set as "like 198.51.100.2" and the source address set as "like 203.0". Run the stats command to filter the sum of bytes transferred by the source address and the destination address.

Answer: D

Explanation:
https://aws.amazon.com/premiumsupport/knowledge-center/vpc-analyze-inbound-traffic-nat-gateway/ by Cloudxie says "select appropriate log"

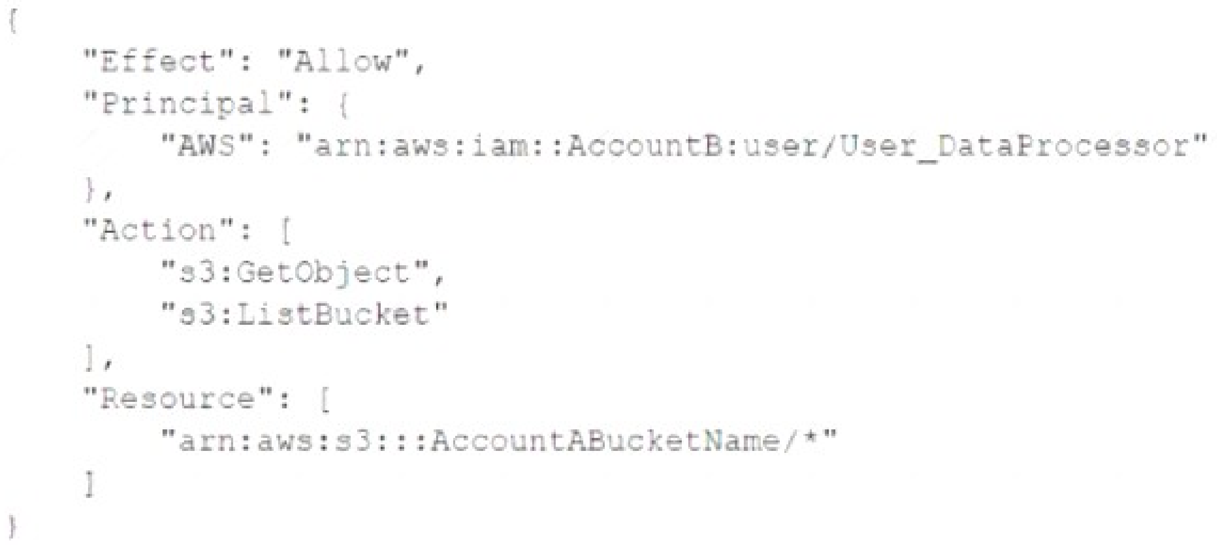
NEW QUESTION 147
- (Exam Topic 2)
A retail company needs to provide a series of data files to another company, which is its business partner These files are saved in an Amazon S3 bucket under Account A. which belongs to the retail company. The business partner company wants one of its 1AM users. User_DataProcessor. to access the files from its own AWS account (Account B).
Which combination of steps must the companies take so that User_DataProcessor can access the S3 bucket successfully? (Select TWO.)

A. Turn on the cross-origin resource sharing (CORS) feature for the S3 bucket in Account
B. In Account
C. set the S3 bucket policy to the following:



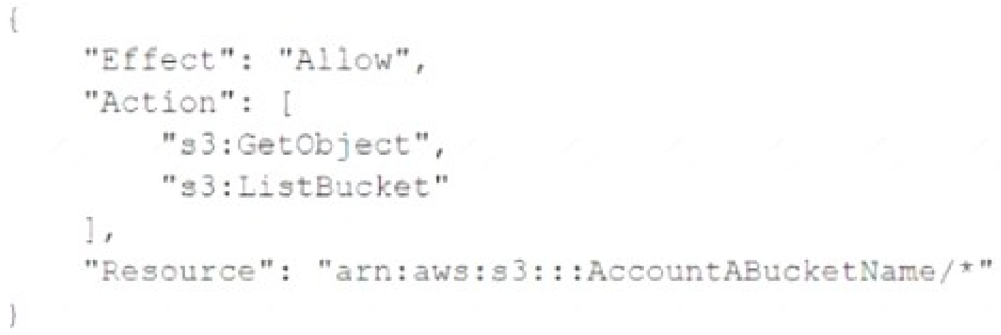
```
{
    "Effect": "Allow",
    "Action": [
        "s3:GetObject",
        "s3:ListBucket"
    ],
    "Resource": "arn:aws:s3:::AccountABucketName/*"
}
```

D. In Account
E. set the S3 bucket policy to the following:



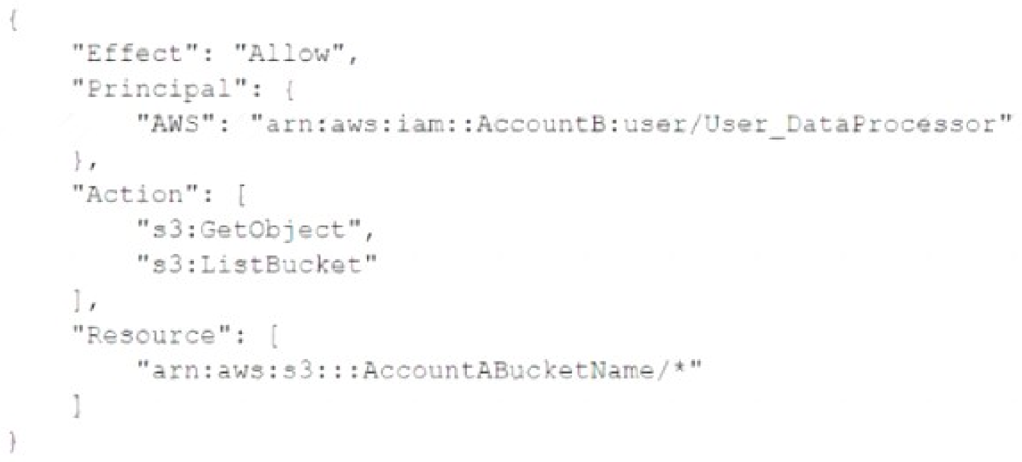
```
{
    "Effect": "Allow",
    "Principal": {
        "AWS": "arn:aws:iam::AccountB:user/User_DataProcessor"
    },
    "Action": [
        "s3:GetObject",
        "s3:ListBucket"
    ],
    "Resource": [
        "arn:aws:s3:::AccountABucketName/*"
    ]
}
```

F. In Account
G. set the permissions of User_DataProcessor to the following:



```
{
    "Effect": "Allow",
    "Action": [
        "s3:GetObject",
        "s3:ListBucket"
    ],
    "Resource": "arn:aws:s3:::AccountABucketName/*"
}
```

H. In Account Bt set the permissions of User_DataProcessor to the following:



```
{
    "Effect": "Allow",
    "Principal": {
        "AWS": "arn:aws:iam::AccountB:user/User_DataProcessor"
    },
    "Action": [
        "s3:GetObject",
        "s3:ListBucket"
    ],
    "Resource": [
        "arn:aws:s3:::AccountABucketName/*"
    ]
}
```

Answer: CD

Explanation:
https://aws.amazon.com/premiumsupport/knowledge-center/cross-account-access-s3/

NEW QUESTION 150
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